**3GPP TSG-RAN WG4 Meeting #104-e draft R4-2214454**

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

**Title:** WF on test metric for BC in RRC\_INACTIVE and initial access

**Agenda Item:** 11.7.4

**Source: Nokia**

**Document for:** Approval

# Sub-topic 1: Rel-16 RRC\_Connected Beam Correspondence applicability to Rel-18 RRC\_INACTIVE/IA Beam Correspondence

**Way forward/Agreements:**

* There is no UL beam sweep for IA BC requirements
* At least Msg1 will be tested.
* A new requirement is needed for Msg1 for all UEs regardless of Rel-16 BC IEs.
* If UEs support both IEs *beamCorrespondenceWithoutUL-BeamSweeping* and *beamCorrespondenceSSB-based-r16*, and performs IA with 4-step RACH then no new requirement is needed for Msg3
* Use PC3 as baseline for testing and requirements and handle specific values for other PC afterwards and based on the same method
* At least spherical coverage requirements will be tested for RRC\_Inactive Beam correspondence for Msg1
* Define a specific EIRP value at N% of the distribution of radiated power
* Discuss the value of N, e.g. N=[X]% for PC3

**Way forward/FFS:**

* FFS: Study the relevancy of adding min peak EIRP requirements in addition with spherical coverage requirements for BC Inactive (for each of the cases: Msg1/MsgA/RA-SDT/CG-SDT)
* FFS: values for the requirements (EIRP, X%, etc)
* FFS: Discuss whether BC requirements values will be the same for RA-SDT, CG-SDT and initial access (Msg1, MsgA, Msg 3), if yes should all be tested?
* FFS: Discuss whether Msg1 and Msg A should have the same requirements? If yes, should both be tested?
* FFS: BC side conditions

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| Company | Agree/Disagree, include justification |
| Qualcomm | We are not sure we need to redefine N % . We prefer to use the N specified for connected mode. Would proponents clarify why EIRP @ N must be studied again? (Do not agree to last 2 proposed agreements)In the FFS list, why are we wanting to study the relevancy of min peak EIRP? (do not agree) |
| vivo | Before we figure out the baseline should be “rough” beam or “fine” beam and whether the beam refinement procedure is allowed during initial access, we can not agree the last 2 agreement above, and we prefer keep it open for further discussion. |
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