**3GPP TSG-RAN WG4 Meeting # 108 R4-2317629**

**Toulouse, France, August 21 – August 25, 2023**

**Title:** WF on LTE and NR UAV RF requirements

**Agenda Item:** 5.35.3

**Source: Nokia, Nokia Shanghai Bell**

**Document for:** Approval

# Topic 1: Definition of an Aerial UE (UAV)

**Issue 1-2: Update of the definition of an aerial UE.**

* Proposals
  + Option 1: Amend the following sentence to the agreed definition of an aerial UE.

“The UE is considered to have an aerial subscription after the UE has performed a successful authentication and authorization of the aerial subscription”

Agreement:

* The aerial UE is considered to have an aerial subscription after the UE has performed a successful authentication and authorization of the aerial subscription”

# Topic 2: Multi-carrier operation with aerial UEs

**Way forward:**

- RAN4 shall focus on single band now. When we have request for multi-carrier, we can work on it.

# Topic 3: A-MPR for band B3/n3.

Agreement: RAN4 shall decide A-MPR values and regions based on presented A-MPR results for band B3 and work on how to define NS\_XX for this. NS\_XX shall be included to 36.101 in clause [6.2J.4].

Agreement: RAN4 shall decide A-MPR values and regions based on presented A-MPR results for band n3 and work on how to define NS\_XX for this. NS\_XX shall be added to 38.101-1 in clause [6.2J.3].

# Topic 4: A-MPR for band B38/n38.

Agreement: RAN4 shall decide no A-MPR is needed for band B38.

Agreement: RAN4 shall decide A-MPR values and regions based on presented A-MPR results for band n38 and work on how to define NS\_YY for this. NS\_YY shall be added to 38.101-1 in clause [6.2J.3].

# Topic 5: CR development.

Agreement:

Use the Nokia proposal for A-MPR for both NR and LTE as baseline for draftCRs. Both the areas and values are kept in brackets for further checking until next meeting.