**3GPP TSG RAN WG4 Meeting #102-e R4-2206999**

**Electronic Meeting, February 21-March 03, 2022**

**Title:** LS on the UE behavior under cell selection during PRS measurement period

**Response to:** **-**

**Release:** Rel-17

**Work Item:** NR\_pos\_enh

**Source:** TSG RAN WG4

**To:** TSG RAN WG2

**Cc:**

**Contact Person:**

#### Name: Muhammad Kazmi

E-mail Address: muhammad.kazmi@ericsson.com

**1. Overall Description:**

According to clause 4.2.2.2 of TS 38.133, the UE initiates cell selection for the selected PLMN if the UE’s serving cell does not fulfil the cell selection criterion S defined in TS 38.304 and the UE does not find any new suitable cell after the searches and measurements.

RAN4 has agreed that PRS measurement requirements in RRC\_INACTIVE state do not apply if the UE triggers cell selection procedure for the selected PLMN during the PRS measurement period.

RAN4 kindly asks RAN2 to clarify the UE behaviour regarding the PRS measurements if the UE initiates cell selection for the selected PLMN during the PRS measurement period.

**2. Actions:**

**To RAN2**

**ACTION:** RAN4 kindly asks RAN2 to clarify the UE behaviour regarding the PRS measurements if the UE initiates cell selection for the selected PLMN during the PRS measurement period.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG-RAN WG4 Meeting #103-e May 16-27, 2022, Electronic Meeting

TSG-RAN WG4 Meeting #104 August 22-26, 2022, Toulouse, France