**3GPP TSG RAN meeting #95e RP-220xxx**

**Electronic Meeting, Mar 17-23, 2022**

**Source: Nokia**

**Title: Rel-17 Work Item Exception for Further enhancements of NR RF requirements for frequency range 2 (FR2)**

**Document for: Approval**

**Agenda Item:** 9.5.4.8

3GPP™ Work Item Exception

# Title : Work Item Exception for Further enhancements of NR RF requirements for frequency range 2 (FR2)

## Acronym : NR\_RF\_FR2\_req\_enh2

## Unique Identifier : 890059

**Release ZZ Submission form**

|  |  |
| --- | --- |
| **Feature / Item:** |  |
| **Affects:** | **UICC apps:** | **ME:X** | **AN:** | **CN:** | **Others (specify):** |
| **Expected Completion Date:** | June 2022 |
| **Service(s) impacted:** | None |
| **Specification(s) affected:** | 38.101-2, 38.133, 38.307 |
| **Task(s) within work which are not complete:** | **RF:****DL interband CA:*** UE relaxation values for DL CA with IBM for CA\_n258-n261

**UL interband CA:*** UL CA MPR, relaxation values and Pcmax handling for CA\_n257A-n259A and CA\_n260-n261

**UL gaps for self-calibration and monitoring:*** RF test procedures including P-MPR reporting in the procedures
* RRM procedures to be prioritized over UL gap
* UE features and capability details for UL gap configurations, capability for inter-band UL CA and UL MIMO requirements
* UL gap for UL coherent MIMO
	+ Specifying the RF requirements to enable UL gap for UL coherent MIMO and finish the corresponding signaling.

**DC location:*** Offset range from a default DC location
* Single CC handling within CA
* Handling of DL only CC

**CA BW classes:*** New FR2 CA BW Classes to enable CA operation for mix of 100 and 200 MHz CCs.

**RRM**:* Define the SCell activation delay requirements for inter-band CA common beam management (CBM)
 |
| **Consequences if not included in Release ZZ:** |  |

**Abstract of document:**

**Contentious Issues:**