**3GPP TSG-RAN WG4 Meeting #104-e R4-2214422**

**Electronic Meeting, August 15 – 26, 2022**

**Title: [DRAFT]** WF on system parameters for FR2-2

**Agenda Item:** 9.14.9

**Source: Intel Corporation**

**Document for:** Approval

# General

## UE feature list

*Improved ON/ON transient period*

**Agreement**:

* TBD

## LS reply to RAN1 on minimum guard period

**Agreement**:

* TBD

# Operation bands and system parameters

## FR2 band for unlicensed operation

*Note for band n263 to be added to Table 5.2-1: NR operating bands in FR2*

**Agreement**:

* TBD

## Operating bands for CA

**Agreement**:

* If all the UE CA requirements are finalized,
	+ Add NR CA band CA\_n263 to Table 5-2A.1-1 in TS 38.101-2 together with a note clarifying that only contiguous CA is applicable for this band.

|  |  |
| --- | --- |
| **NR CA Band** | **NR Band****(Table 5.2-1)** |
| CA\_n257 | n257 |
| CA\_n258 | n258 |
| CA\_n259 | n259 |
| CA\_n260 | n260 |
| CA\_n261 | n261 |
| CA\_n263 (Note) | n263  |
| NOTE: In this release of the specification, only contiguous CA is applicable for this operating band. |

## NR CA bandwidth class

**Agreement**:

* No new bandwidth classes are specified for n\*100 MHz
* The discussion on the new channel bandwidth classes for FR2-2 is allowed in the maintenance of this WI

## Channel spacing for CA

**[Tentative] Agreement**:

* Nominal channel spacing

Adjacent channel spacing can be expressed in compact form below for FR2-2 operating bands:

Nominal Channel spacing = ceil((BWChannel(1) + BWChannel(2))/100.8 MHz) \* (100.8/2) [MHz]

Channel spacing for CA

Since contiguous CA is intended for CA between adjacent carriers, we can simply re-use the nominal channel spacing for adjacent carrier captured above.

## Configurations for intra-band contiguous CA

**Agreement**:

* This is related to NR CA bandwidth classes and therefore can also be discussed in maintenance stage

# FR1+FR2-2 DC/CA band combinations

**Agreement**:

* Specify n48 + n263 within this work item and if n48 + n263 is completed, then the WI is viewed as completed.

**Agreement**:

* RAN4 targets completing one example band combination FR2-2 DC/CA with an anchor in FR1 within the maintenance phase of the WI
* Additional band combinations can be added in a release-independent manner as part of a Release 18 basket WI
* To specify the example band combination FR2-2 DC/CA with an anchor in FR1, RAN4 could take a corresponding FR2-1 DC/CA combination with anchor in FR1 as a baseline in this meeting, with square brackets around the requirements, and aim to remove the brackets in the maintenance phase

# References

1. R4-2214228, “Email discussion summary for [104-e][110] NR\_ext\_to\_71GHz\_Part\_1,” Moderator (Intel Corporation), RAN4 #104e, August 2022