**3GPP TSG-RAN WG4 Meeting #112 *R4-2414270***

**Maastricht, Netherlands, 19th – 23rd August 2024**

**Agenda item:** 7.13.1

**Source:** Nokia

**Title:** WF on introduction of the 1.4 GHz Band

**Document for:** Approval

# WF on introduction of the 1.4 GHz Band

The following is proposed for approval:

1. Band number: use band number n110.
2. System parameters:
   1. Channel bandwidths:

| NR Band | SCS (kHz) | *BS channel bandwidth* (MHz) | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 60 | 70 | 80 | 90 | 100 |
| n110 | 15 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

* 1. Channel raster:

|  |  |  |  |
| --- | --- | --- | --- |
| NR *operating band* | ΔFRaster  (kHz) | Uplink  range of NREF  (First – <Step size> – Last) | Downlink  range of NREF  (First – <Step size> – Last) |
| n110 | 100 | 278000 – <20> – 279000 | 286400 – <20> – 287000 |

* 1. Sync raster:

|  |  |  |  |
| --- | --- | --- | --- |
| **NR operating band** | **SS Block SCS** | **SS Block pattern (NOTE 1)** | **Range of GSCN**  **(First – <Step size> – Last)** |
| n110 | 15 kHz | Case A | 33802 – <1> – 33804 |

1. UE REFSENS: [-102.2] dBm
2. UE Tx-Rx frequency separation: 40 - 42 MHz
3. CR responsibility:

|  |  |
| --- | --- |
| **Specification** | **Proposed company for formal CR** |
| 38.101-1 | Nokia |
| 38.133 | ZTE |
| 38.106 | Nokia |
| 38.115-1 | Nokia |
| 38.174 | Nokia |
| 38.176-1 | Nokia |
| 38.176-2 | Nokia |
| 36.104 | Nokia |
| 36.141 | Nokia |
| 37.104 | Nokia |
| 37.141 | Nokia |
| 38.104 | Nokia |
| 38.141-1 | Nokia |
| 38.141-2 | Nokia |
| 37.105 | ZTE |
| 37.145-1 | Ericsson |
| 37.145-2 | Ericsson |
| 38.101-5 | ZTE |
| 38.307 | CATT |