**3GPP TSG-RAN WG4 Meeting 112 R4-2414282**

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

**Title:** WF on 8GHz UE parameters

**Agenda Item:** 8.2.3

**Source:** vivo

**Document for:** Approval

# Topic#1: General issues

* **Duplex mode**

**Agreement:**

* Capture the following text in the TR (Qualcomm, TP R4-2411519)

**“**There is no defined 3GPP band for the 7125 - 8400 MHz frequency range up to the current release, however, it is adjacent to existing TDD band n104 (6425 – 7125 MHz). Similar to the 4400 – 4800 MHz frequency range, SBFD can be a candidate duplexing method for this frequency range. The core requirements for Rel-19 SBFD work item can be tracked through the list of impacted specs captured in [6]. To provide a timely response to WP5D regarding the requested RF parameters, RAN4 assumed TDD as a baseline duplexing for the 7125 – 8400 MHz frequency range.***”***

* **Typical channel bandwidth**

**Agreement:**

* LS indicates 100MHz as typical CBW and indicates wider channel bandwidths (documented in TR)
* **Typical signal bandwidth**

**Agreement:**

* Quote formula of RBs \* SCS without number of RBs
* **SINR operating range**

**Agreement:**

* Same as 4GHz response

# Topic#2: Parameter for UE Tx requirement

* **UE output power**

**Agreement:**

* 23dBm indicated in LS as typical value of maximum output power
* LS contains a generic statement about referring to the TR, mentioning power
* Nothing precluded for 15GHz
* **Power dynamic range**

**Agreement:**

* 56dB for 100MHz assuming 23dBm
* **Emissions mask**

**Agreement:**

* Follow previous agreement, i.e., n104 as basis for emissions levels.
* **ACLR**

**Agreement:**

* ITU-R reply is 26dB ACLR
* This does not preclude considering 30dB when making actual requirements, and further discussing relation of 26/30dB to MPR/A-MPR (to be documented in TR)
* **Spurious emission**

**Agreement:**

* Follow previous agreement, i.e., n104 as basis for emissions levels.

# Topic#3: Parameter for UE Rx requirement

* **Noise figure**

**Agreement:**

* Reply with noise figure 13dB
* **Sensitivity**

**Agreement:**

* We can write “to be specified” in the LS
* Add a reference to n104 sensitivity in the TR
* **Blocking and spurious response**

**Agreement:**

* For LS response: Follow 38.101-1 for NR bands with FDL\_low ≥ 3300 MHz and FUL\_low ≥ 3300 MHz (Tables 7.6.2-2 and 7.6.2-4, 7.6.3-2 and 7.6.3-4 and 7.7-2)
  + Check the actual list and number of tables is correct
* In the TR, capture that depending on the band plan and possibly Hardware re-use or not, the actual requirement may differ
* **ACS**

**Agreement:**

* 32dB (previous study TR)