**3GPP TSG-RAN WG4 Meeting # 102-e R4-2206371**

**Electronic Meeting, February 21 – March 3, 2022**

**Source:** Huawei, HiSilicon

**Title:** WF on general aspects

**Agenda Item:** 9.3.1

**Document for:** Approval

# Background

The following 5 proposals have been discussed in RAN4#102-e 1st round discussion:

**Proposal 1**: RAN4 captures that coexistence with other services be based on vacating 10 MHz blocks aligned with the 5 MHz channel raster to generate guard bands as appropriate in each country and that it is under the BS responsibility to ensure that the normal UE OOB emission are taken into account in defining those guard bands. (Huawei, Skyworks, Spark NZ)

**Proposal 2**: Send an LS to RCC to request further feedback on the co-existence issue as proposed in R4-2203666. (Charter, Qualcomm, Apple, CableLabs, Skyworks, Hewlett Packard Enterprise, MediaTek, Broadcom)

**Proposal 3**: RCC Recommendation 1/21 is sufficient to introduce the 6GHz band in RAN4 specifications.( CATT, Huawei, Ericsson, ZTE, Spark NZ, CHTTL)

**Proposal 4**: RAN4 work on the band definition based on the understanding that no additional spurious emissions and blocking requirements is expected to be defined in the 3GPP UE specification and send RCC a LS to confirm the understanding. ( CATT, Huawei, Skyworks?, Nokai?)

**Proposal 5**: Request RAN plenary to capture in 3GPP TR37.890 that, when defining the band in the range 6425-7125MHz for the RCC region, coexistence of 5G NR operating in >6425MHz with RLAN systems operating in <6425MHz has not been taken into account by 3GPP, due to it not being indicated as a requirement from RCC (Skyworks, MediaTek, Spark NZ)

# Way forward

Decide among 3 options

**Option 1: Send an LS to RCC to request further feedback on the co-existence issue as proposed in R4-2203666 (Proposal 2)**

**Option 2: RCC Recommendation 1/21 is sufficient to introduce the 6GHz band in RAN4 specifications (Proposal 3)**

**Option 3:** **Compromised proposal**

Agreement: Option 3

According to RCC Recommendation 1/21, RAN4 specification work on the band definition is based on the following assumptions. ~~and RAN4 sends an LS in R4-2206375 to RCC to confirm these assumptions.~~

* Restricted use of frequency blocks for 5G NR in RCC Recommendation means the usage of 5G NR is not allowed for the frequency block(s) ~~and no other types of restrictions is considered~~.
* For unwanted emissions in spurious domain the Category B limits in ITU-R SM.329 should be fulfilled and no additional limits are expected.