3GPP TSG-RAN WG4 Meeting #102-e R4-2206479

Electronic Meeting, 21 Feb – 3 Mar 2022

**Source:** Huawei, HiSilicon

**Title:** WF on simultaneous Rx/Tx capability

**Agenda Item:** 9.39

**Document for:** Approval

# MSD threshold

*Background:*

The issue of MSD threshold for deciding mandatory simultaneous Rx/Tx capability for FR1 FDD-TDD band combinations has been discussed for several meetings. There are three main opinions for the issue, i.e.

* Alt 1: Have specific MSD thresholds for determining mandatory simultaneous Tx/Rx capability
* Alt 2: Specify the simultaneous Tx/Rx capability case by case
* Alt 3: Simultaneous Rx/Tx capability can still be optional for FR1 FDD-TDD band combination with MSD, but the identification effort is mainly for those which cannot support simultaneous Rx/Tx operation

*Candidate option based on 1st round draft summary:*

Case by case analysis is considered for FR1 FDD-TDD band combination which may have difficulty to support simultaneous Rx/Tx operation, e.g. with large MSD. If a FR1 FDD-TDD band combination is identified which cannot support simultaneous Rx/Tx operation, a note similar to FR1 TDD-TDD band combination shall be indicated in the specification, and for such operation the minimum requirements are not applicable for this band combination. Otherwise, the FR1 FDD-TDD band combination with MSD can support simultaneous Rx/Tx operation.

*Proposed WF:*

Agree the above candidate option for FR1 FDD-TDD band combination on simultaneous Rx/Tx capability.

# References

[1] R4-2206320, Email discussion summary for [102-e][120] LTE\_NR\_Other\_WI