3GPP TSG RAN WG1 #112 R1-23xxxxx

**Athens, Greece, February 27th – March 3rd, 2023**

**Agenda item: 8.17**

**Source: Moderator (China Telecom)**

**Title: FL summary of discussion on Rel-17 UL Tx switching**

**Document for: Discussion**

# Introduction

This contribution is a summary of maintenance issues for Rel-17 UL Tx switching.

# Initial discussion

## Issue: Clarification on SCS of the two intra-band carriers

[1] points out that it needs clarification that the numerologies should be the same for the active UL BWPs of the two intra-band carriers in any band involved in Release 17 Tx switching, otherwise when the SCSs for the two intra-band carriers are different, the UE behaviour is unclear.

[1] proposes the following TP to TS 38.214.

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| 6.1.6 Uplink switching < Unchanged parts are omitted >  The UE does not expect to perform more than one uplink switching in a slot with *µUL* = max(*µUL, 1, µUL, 2*), where the *µUL, 1* corresponds to the subcarrier spacing of the active UL BWP of one uplink carrier before the switching gap and the *µUL, 2* corresponds to the subcarrier spacing of the active UL BWP of the other uplink carrier after the switching gap. If there are two carriers on the band of the uplink transmission before or after the switching gap, UE does not expect that the active UL BWPs of the two carriers on the band are of different numerologies.  < Unchanged parts are omitted > |

**Companies are encouraged to provide comments on the above TP.**

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| **Company** | **Comments** |
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# References

1. R1-2300433, Correction on SCS of the reference slot restriction of Rel-17 TX switching, vivo, RAN1#112, February 27th – March 3rd, 2023.