**3GPP TSG-RAN WG2 Meeting #112-e draft0\_R2-200xxxx**

**Online, 2 – 13 November 2020**

**Title: [DRAFT]** Reply LS on maximum data rate for NR sidelink

**Response to:** R1-2007353

**Release:** Rel-16

**Work Item:** 5G\_V2X\_NRSL

**Source:** OPPO [To be RAN2]

**To:** RAN1

**Cc:**

**Contact Person:**

#### Name: Qianxi Lu

**Tel. Number:**

E-mail Address: qianxi.lu@oppo.com

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:**

**1. Overall Description:**

For the reply on maximum data rate for NR sidelink, RAN2 would like to thank for the feedback.

Furthermore, for the scaling factor using in the formula for maximum data rate,

Agreements:

The scaling factor, f, is determined among {1, 0.8, 0.75, 0.4} for max data rate of SL Tx and Rx, respectively.

According to the following RAN1 agreement

Agreements:

* The supported max data rate for SL is based on NR’s formula (based on BW, layer..) in Clause 4.1.2 of TS38.306
* The supported max data rate for SL is dependent on UE capability ~~(which is defined either per band or per band combinations or a combination thereof, to be decided by 08/20).~~
  + Defined per band combinations
* RAN1 further discusses Qm, f, OH values.

RAN2 would like to request feedback from RAN1 on the following question:

**Q1**: How should the capability of scaling factor be captured as “per band combination”, e.g., per-PC5-band-combination, per-Uu-band-combination-and-per-PC5-band-combination, or another interpretation?

**2. Actions:**

**To RAN1 group**

RAN2 respectfully requests RAN1 to feedback on Q1 as above.

**3. Date of Next TSG-RAN2 Meetings:**

3GPPRAN2#113 25 January – 5 February 2021 E-meeting

3GPPRAN2#113-bis 12-21 April 2021 E-meeting