3GPP TSG-RAN WG2 #113bis-e R2-210xxxx

eMeeting, 12th – 20th April, 2021

**Title:** **[**Draft] Reply LS on single-uplink operation in more than one band pair of a band combination

**Response to:** R4-2103144 / R2-2102644

**Release:** Rel-15

**Work Item:** NR\_newRAT-Core

**Source:** MediaTek [to be RAN2]

**To:** RAN4

**Cc:**

**Contact Person:**

#### Name: Chun-Fan (Felix), Tsai

E-mail Address: Chun-Fan.Tsai (at) mediaTek.com

**1. Overall Description**

RAN2 would like to thank RAN4 for the LS R4-2103144 on single-uplink operation in more than one band pair of a band combination. RAN2 has discussed the question raised by RAN4 and concluded as following.

RAN2 confirms that *singleUL-Transmission* could not indicate dual UL in one UL CC pair and single UL in another CC pair in one band combination. However, with the ASN.1 signalling from Rel-15, UE is able to indicate dual UL transmission capability in one UL CC pair and single UL transmission capability in another CC pair in different band combination entries. Therefore, RAN2 can solve this issue from Rel-15 for two UL CC case. RAN2 has no plan to implement additional solution.

In addition, RAN2 would like to point out that UE capability signalling is considered per BC. When deciding RRC configuration, network is not required to derive multiple band combination capabilities for the UE for a BC.

**2. Actions:**

**ACTION:** RAN2 respectfully asks RAN4 to take above RAN2 conclusions into consideration.

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

RAN2#114e, eMeeting, 19-27 May. 2021

RAN2#115e, eMeeting, 16-27 Aug. 2021