**3GPP TSG-RAN4 Meeting #98-e *DRAFT R4-2103406***

**Online, , 25th Jan 2020 – 5th Feb 2021**

Title: Reply LS on technical feasibilities for frequency arrangements for IMT in 470 – 703 MHz band

Response to: LS (APT\_LS200918, RP-202934, R4-2016598) on Frequency arrangements for IMT in the band 470-703MHz from APT Wireless Group

Release: Rel-17

Work Item: FS\_NR\_600MHz\_ext

Source: 3GPP RAN WG4

To: Asia-Pacific Telecommunity Wireless Group (AWG)

Cc: 3GPP TSG RAN

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

Attachments: Status Report to TSG#91-e

**1. Overall Description:**

3GPP RAN WG4 would like to thank APT Wireless Group for the LS in RP-202934 / R4-2016598.

In response to a request from APT Wireless Group on 3GPP RAN WG4 feedback on technical feasibility of B1 and B2 frequency arrangements in 470 – 703 MHz band, including views on suggested sizes of the second duplexer from a feasibility and cost-efficient perspective, 3GPP RAN WG4 would like to inform on the progress of the discussion during RAN4#98-e meeting.

During the first 3GPP RAN WG4 meeting treating study item on extended 600MHz NR band, multiple companies have submitted analyses on technical feasibilities of frequency arrangements and duplexer options in 612-703 MHz frequency range. Those analyses were considering both option B1 and B2, as well as potential alternatives based on option B2. Due to early stage of the discussion, further 3GPP RAN WG4 discussion will be needed to reach consensus on the proposed band plan, duplex arrangement, filtering capabilities, etc.

For more details on the discussion progress, please refer to the attached Status Report to TSG#91-e, attached for information.

RAN4 will continue technical discussion and plans to inform APT Wireless Group on its final conclusion by the September 2021, as requested.

**2. Actions:**

**To APT Wireless Group:**

**ACTION:** RAN WG4 asks AWG to take the above information into account.

**3. Date of Next RAN WG4 Meetings:**

RAN WG4 Meeting #98-bis-e 12th – 20th April 2021 Online meeting

RAN WG4 Meeting #99-e 19th – 27th May 2021 Online meeting