3GPP TSG-RAN Meeting #93-e RP-21xxxx  
Electronic meeting, September 13 – 17, 2021

Title: [DRAFT] LS to APT on frequency arrangements for IMT in the band 470 – 703 MHz

Response to: (RP-212540) Frequency Arrangements for IMT in the band 470 – 703 MHz

Source: Apple (to be TSG-RAN)

To: APT Wireless Group

Cc: RAN4

**Contact Person:**

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

Attachments: None

**1. Overall Description:**

TSG-RAN thanks the APT Wireless Group for their liaison titled "Frequency arrangements for IMT in the band 470 – 703 MHz." In response to the AWG invitation to 3GPP to finalize the relevant specifications by September 2022, TSG-RAN would like to share the following observations.

1. It is observed that AWG is still considering multiple frequency plan arrangement options, and it is not yet clear to 3GPP whether a single frequency plan will be agreed and which frequency plan can be used to finalize the relevant specifications

2. In order to most efficiently develop the 3GPP specifications for a new band and to avoid potential misunderstandings or contradictions with regulatory rules, TSG-RAN kindly requests AWG to provide the following normative regulatory information in order to allow 3GPP to proceed with finalizing the relevant specifications for the UE and basestation:

a) Frequency plan for allowed operation in the band

b) Out of band emission limits

c) Emission limits outside of the allocated channel, or emission mask, as applicable

d) Protected services and associated emission limits

e) Blocking requirements, if applicable

f) Maximum transmit power

TSG-RAN would also appreciate guidance in the event that some of this regulatory information is not available, is not applicable, or if the requirements differ from country to country. TSG-RAN would like to kindly inform APT that timely information and guidance would be essential to enable 3GPP to fully develop the specifications according to the requested September 2022 timeline.

TSG-RAN looks forward to integrating these aspects into the work plan related to the development of the relevant specifications.

TSG-RAN respectfully asks the APT Wireless Group to take this information into account in their work related to Frequency Arrangements for IMT in the band 470 – 703 MHz.

TSG-RAN would like to inform the AWG that it is going to undertake an extended study with the following scope :

* Further evaluate performance based Option B2 with 6MHz duplex gap
* Further evaluate UE antenna performances for all the options.

Results of this extended study will be communicated to AWG [moderator to insert agreed timeframes].

**2. Actions:**

None

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

TSG-RAN Meeting #94-e 6-17 December 2021 Electronic meeting

TSG-RAN Meeting #95-e 14-17 March 2022 Electronic meeting