**3GPP TSG RAN WG2#129bis R2-250XXXX**

**Wuhan, China, 7th - 11th April 2025**

**Title: Reply LS on Signalling for 7 MHz Channel Bandwidth**

**Response to: R4-2503017 LS on Signalling for 7 MHz Channel Bandwidth**

**Release: Rel-19**

**Work Item: NR\_FR1\_7MHz\_BW-Core**

**Source: RAN2**

**To: RAN4**

**Cc: RAN3**

**Contact Person:**

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Attachments:

**1. Overall Description:**

RAN2 discussed the contents of LS R4-2503017, before RAN2 can proceed we seek further clarification on the signalling requirements for 7 Mhz as the minimum or maximum channel bandwidth.

RAN4 LS states “RAN4 understands that maximum and minimum channel bandwidths can be reported for band combinations. For band combinations that include a band or bands that support 7 MHz, we think it is important to note that 7 MHz is unlikely to be the minimum or maximum channel bandwidth that a UE supports for a band in a given band combination. We think it would be fine to add support for 7 MHz as a possible maximum or minimum supported bandwidth in a release later than Rel-15, as 35 and 45 MHz were added in SupportedBandwidth-v1700, while the bandwidths themselves are release independent from Rel-15.”

RAN2 hasn’t determined which release 7 MHz channel bandwidth signaling will be introduced, however there was discussion on extending previous signalling methods by adding 7 MHz to the following capability fields:

In BandNR parameters:

- channelBWs-DL/UL bit value for 7MHz

In FeatureSetDownlinkPerCC:

- extensions for 7 MHz added for supportedBandwidthDL

In FeatureSetUplinklinkPerCC:

- extensions for 7 MHz added for supportedBandwidthUL

**2. Actions:**

**To RAN4**

**ACTION:** RAN2 respectfully asks whether the support of 7 MHz as the minimum or maximum channel bandwidth signaling should be introduced and if yes, from which release the signaling should be introduced.

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

3GPP TSG RAN WG2#130 19 - 23 May 2025 St. Julian’s, Malta

3GPP TSG RAN WG2#130bis 25-29 August 2025 Bengaluru, India