

WRC-19 / Agenda Item 1.13

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- Successful identification of suitable IMT spectrum at WRC-19 will be vital to realise full potential of 5G
- 26 GHz band 'pioneer band' for 5G in Europe, and also gaining support in other regions
- 40 GHz band potential globally harmonised frequency range to enable different countries / regions to use parts that are suitable for them
- Bands above 45 GHz should also be considered
- Spectrum needs to be identified without over-restrictive technical conditions
- Europe needs to consider views of other parts of Region 1 and other regions



26 GHz band

- 24.25 27.5 GHz selected as 'pioneer band' for 5G in Europe
 - also being supported in other parts of the world
- ... but over-restrictive technical conditions will jeopardise its use for 5G
 - Unwanted emissions limits in Draft ECC Decision will make some parts unusable and have severe impact on 5G in other parts
 - Other proposed conditions would constrain deployment of 5G networks
- Europe aspires to be a 5G leader, but the reality may be very different
 - Severe restrictions on 5G in the 26 GHz band
 - Lack of equipment / eco-system below 26.5 GHz
 - Other countries / regions planning to take a more pragmatic approach
- Conditions in ECC Decision are supposed to be 'least restrictive', but that is not what is proposed at present !



40 GHz band

- 37 43.5 GHz has potential to be globally harmonised frequency range for 5G
 - Different countries / regions can select different portions to be used
 - 40.5 43.5 GHz supported in Europe, but other portions favoured in other parts of the world
 - Harmonisation of equipment to drive economies of scale
- 37 43.5 GHz should be identified for IMT on a global basis at WRC-19
 - Possibility to create a 'win-win' situation
 - Enable economies of scale at same time as flexibility
 - Avoid countries blocking each other as has sometimes happened in the past



Read more about WRC-19 and 5G



- The WRC series GSMA Public Policy Position Paper World Radiocommunication Conference 2019 Motile Industry view on Agenda Item 113 Water
- https://www.gsma.com/spectrum/5g-spectrum-guide
- https://www.gsma.com/spectrum/wrc-series
- https://www.gsma.com/spectrum/26-ghz-for-5g-in-europe