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Update: WLAN 6 GHz

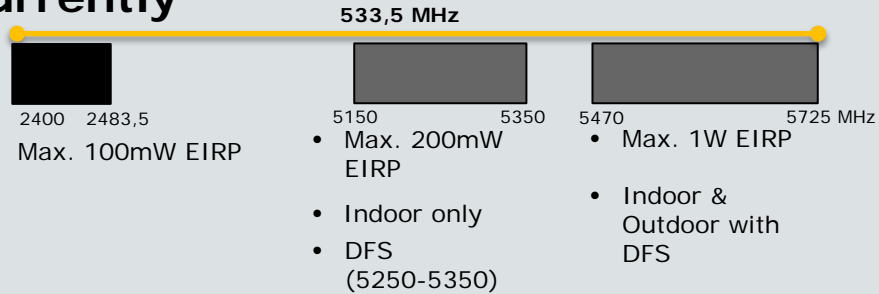
Alexander Kühn,
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DSA Summit 2021, 09.06.2021



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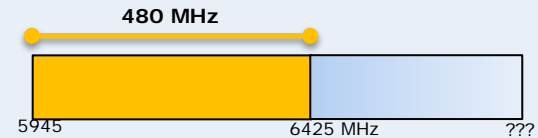


Currently



New

- Indoor: Max. 200mW EIRP
- Unmanned aerial systems max. 200 mW



- Indoor: Max. 250mW EIRP ; max. power density 10mW/MHz
- Outdoor: Max. 25mW EIRP ; max. power density 1mW/MHz
- Exception Narrowband: max. power density 10mW/MHz



The european regulatory framework for 6 GHz Wifi is ready

- ECC Decision (20)01 is approved
 - EU Implementing Decision is adopted
(Official publication in June)
- First new allocation of spectrum for Wifi in Europe since more than 15 years.
- Available spectrum for Wifi will almost double in Europe
- Market access after implementation on national level

Germany will immediately implement the decision
(latest in the 3Q 21)



WRC-23 Agenda item 1.2:

Consideration of IMT in Region 1 in 6425-7025 MHz
(plus 100 MHz globally)

- Compatibility with incumbent services – FSS, FS?
- Technology neutral regulation – possible?
- Variety of possible services
- Enhanced technological options
- Sharing opportunity...



What's next?

- Within CEPT work on RLAN almost finished.
- We will monitor the implementation and uptake of the 6GHz RLAN in the market.
- CEPT is working on the preparation of WRC-23 in parallel.
- CEPT is always open for new ideas and improvements to existing regulation.
- Our work is contribution driven!



Thank you!

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