



Update Spectrum

Mobilregulierungsdialog 14. Juni 2022

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2022-06-14 Mobilregulierungsdialog – Update Spectrum



Topics

- 3.8 - 4.2 GHz band
- 40.5 - 43.5 GHz band / 66 - 71 GHz band



3.8 - 4.2 GHz band /1

16 December 2021: Mandate to CEPT on technical conditions regarding the shared use of the 3.8-4.2 GHz frequency band for terrestrial wireless broadband systems providing local-area network connectivity in the Union

<https://ec.europa.eu/newsroom/dae/redirection/document/82230>

Tasks:

1. Shared use of band for terrestrial use providing local-area network connectivity.

- i. Protection of incumbent users (sat, fixed links)
- ii. Coexistence; wireless broadband (3.4 – 3.8 GHz) and radio altimeter (4.2 – 4.4 GHz)

2. Harmonized frequency arrangement



3.8 - 4.2 GHz band /2

Status: ongoing work within CEPT

Time schedule according to mandate:

- Nov 22: Interim report
- Jul 23: Final draft report
- Mar 24: Final report including consultation results



40.5 – 43.5 GHz band / 66-71 GHz band /1

- 30 March 2020: Mandate to CEPT to develop least restrictive harmonised technical conditions suitable for next-generation (5G) terrestrial wireless systems for priority frequency bands above 24GHz

https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=66338

Tasks:

1. 40.5 – 43.5 GHz: Review use, identify scenarios for shared use with 5G
2. 40.5 – 43.5 GHz: Frequency arrangements
3. 66 - 71 GHz band: Review use, take short-range devices into account, frequency arrangements only if necessary
4. Assess cross-border coordination



40.5 – 43.5 GHz band / 66-71 GHz band /2

Original time schedule according to mandate:

- Mar 21: Draft report
- Jul 21: Final report

Status:

40.5 – 43.5 GHz: ongoing work

66 - 71 GHz band : CEPT Report 78 – task completed

Download: <https://docdb.cept.org/download/141>



CEPT report 78 – Task 3, 66-71 GHz

- Conclusion:
- *“The existing technical conditions contained in both EC Decision for SRD (EU) 2019/1345 [1] and ERC Recommendation 70-03 [2] allow next generation (5G) wireless broadband electronic communication services to have access to the 66-71 GHz frequency band.”*
- *(CEPT report 78, p. 2)*



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