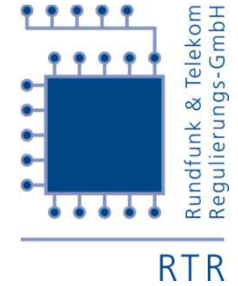


Wir stehen für **Wettbewerb** und **Medienvielfalt**.



Mobilregulierungsdialog Update on Radio Spectrum

Dietmar Zlabinger

RTR-GmbH

04.07.2014



Content

CEPT consultations on

- 700 MHz band,
- Long term vision UHF,
- 1,5 GHz band,
- 2,1 GHz unpaired bands and
- 2,3 GHz band



Harmonised technical conditions for the 694-790 MHz band

- Full name: “Draft Report A from CEPT to the European Commission in response to the Mandate “to develop harmonised technical conditions for the 694-790 MHz ('700 MHz') frequency band in the EU for the provision of wireless broadband and other uses in support of EU spectrum policy objectives” and the SEAMCAT workspace ” (CEPT Report 53)

The channelling arrangement for MFCN in the 700 MHz band

694-703	703-708	708-713	713-718	718-723	723-728	728-733	733-738	738-743	743-748	748-753	753-758	758-763	763-768	768-773	773-778	778-783	783-788	788-791
Guard band	Uplink						Gap	SDL (A)				Downlink				Guard band		
9 MHz	30 MHz (6 blocks of 5 MHz)						5 MHz	20 MHz (up to 4 blocks of 5 MHz)				30 MHz (6 blocks of 5 MHz)				3 MHz		

- Public consultation until August, 13th, 2014

SEAMCAT ... Spectrum Engineering Advanced Monte Carlo Analysis Tool.



Long Term Vision for the UHF broadcasting band (ECC Report 224)

- Activity by CEPT, not based on European Commission mandate
- EC activities:
 - RSPG Working Group on the future of the UHF band
 - EC-High Level Group
- Public consultation until September 9th, 2014



Harmonised technical conditions in the 1452-1492 MHz frequency band

- Full name: “Report from CEPT to the European Commission in response to the Mandate to develop harmonised technical conditions in the 1452-1492 MHz frequency band for wireless broadband electronic communications services in the EU” (CEPT report 54)

Harmonised channelling arrangement of the 1452-1492 MHz band

1452-1457	1457-1462	1462-1467	1467-1472	1472-1477	1477-1482	1482-1487	1487-1492
Downlink (base station transmit)							
40 MHz (8 blocks of 5 MHz)							

- Public consultation until August 27th, 2014



Studies on future use of unpaired 2 GHz bands

- Current status: assigned for mobile, but no usage
- Full name: “Report from CEPT to the European Commission in response to the Mandate “To undertake studies on the harmonised technical conditions for the 1900-1920 MHz and 2010-2025 MHz frequency bands (“Unpaired terrestrial 2 GHz bands”) in the EU”” (CEPT report 52)
- *Options identified:*
 - *Direct air to ground communications;*
 - *Video links and cordless cameras (PMSE / ad-hoc PPDR);*
 - *Applications under general authorisation (DECT / SRD)*
- Public consultation until August 27th, 2014



Harmonised technical conditions for the 2300-2400 MHz frequency band

- Full name: “Report A from CEPT to the European Commission in response to the Mandate on 'Harmonised technical conditions for the 2300-2400 MHz ('2.3 GHz') frequency band in the EU for the provision of wireless broadband electronic communications services'. Technical conditions for wireless broadband usage of the 2300-2400 MHz frequency band” (CEPT report 55)
- LSA would be required, but not yet included (future report B)

TDD (MHz)	
2300 MHz 2305 MHz	5
2305 MHz 2310 MHz	5
2310 MHz 2315 MHz	5
2315 MHz 2320 MHz	5
2320 MHz 2325 MHz	5
2325 MHz 2330 MHz	5
2330 MHz 2335 MHz	5
2335 MHz 2340 MHz	5
2340 MHz 2345 MHz	5
2345 MHz 2350 MHz	5
2350 MHz 2355 MHz	5
2355 MHz 2360 MHz	5
2360 MHz 2365 MHz	5
2365 MHz 2370 MHz	5
2370 MHz 2375 MHz	5
2375 MHz 2380 MHz	5
2380 MHz 2385 MHz	5
2385 MHz 2390 MHz	5
2390 MHz 2395 MHz	5
2395 MHz 2400 MHz	5

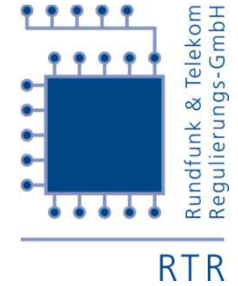
- Public consultation until August 27th, 2014
- AT: usage by other services (wireless cameras, military aeronautical navigation)



References

- CEPT – Public Consultations:
<http://www.cept.org/ecc/tools-and-services/ecc-public-consultation>
- RTR – 700 MHz:
<https://www.rtr.at/de/tk/Spectrum700MHz>
- RTR – 1,5 GHz:
<https://www.rtr.at/de/tk/Spectrum1500MHz>
- RTR – 2,1 GHz TDD:
<https://www.rtr.at/de/tk/Spectrum2100MHzTDD>
- RTR – 2,3 GHz:
<https://www.rtr.at/de/tk/Spektrum2300MHz>

Wir stehen für **Wettbewerb** und **Medienvielfalt**.



Mobilregulierungsdialog Update on Radio Spectrum

Dietmar Zlabinger

RTR-GmbH

04.07.2014