

Commission proposal regarding the UHF band

Views, actions and timing

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~~versus~~
and



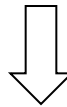
UHF band – past and future

1960's



470MHz

Digital Switchover & RSPP



862MHz

> 2012



470MHz

UHF band strategy

790MHz

862MHz

> 2020



470MHz

694MHz

790MHz

- Lamy Report (Sept 2014)
- RSPG Opinion (Feb 2015)
- Public Consultation (April 2015)
- Results of WRC-15 (Nov 2015)
- Study on UHF band, incl. Workshop (Dec 2015)
- Commission's Impact Assessment (Jan 2016)
- Commission Proposal to EP and Council (February 2016)
- Commission Implementing Decision 2016/687/EU on harmonisation of technical conditions in the 700 MHz band (28 April 2016)
- **General Approach of the TTE Council (26 May 2016)**
- Vote in ITRE Committee (13 October 2016)
- Formal dialogues
- Our aim is for adoption in first reading

Problem – spectrum scarcity in a wireless society

- Exploding mobile traffic (video),
- Role of DTT and roll-out of LTE (Member State diversity)
- Regulatory uncertainty deters investment

Aspiration – Win-Win

- Wireless broadband rollout & European audiovisual model

Solution – long-term UHF band strategy – ASAP!

- 700 MHz band for mobile by 2020;
- sub-700 MHz band for audiovisual, including FTA;
- Flexibility in sub-700 MHz band :
 - Priority for audiovisual
 - Only allow mobile downlink
- Review by 2025

Benefits

- Value to mobile operators: over EUR 11 billion + value of Supplemental Downlink
- Wider economic and social benefits :
EUR 55 billion for 2016 in the EU28 may be facilitated (e.g. IoT applications)
- 5G spectrum by 2020 is ideal for connected driving

Costs

- Transition costs to DVB-T2 :
EUR 450-650 million for DVB-T2
EUR 600-890 million for HEVC
- Consumer costs (primary DTT HH):
EUR 616 million for DVB-T2 and
EUR 1.6 billion for HEVC
(40 and 100 euros per home)
- PMSE costs:
EUR 200 million
- Other costs not quantified

Recital 6:

- " ...The DTT and PMSE sectors therefore need long-term regulatory predictability on the availability of sufficient spectrum, so that they can safeguard the sustainable provision and development of their services, **in particular free-to-view television...**"

Article 4

- "Member States shall ensure availability of the 470-694 MHz frequency band **or parts of the band** for the terrestrial provision of **audiovisual media** services to mass audiences, **including free television**, and for use by wireless audio PMSE equipment, based on national broadcasting needs

Compensation?

- Member States may offer technology-neutral public support measures that limit costs, if consistent with state-aid rules.
- This includes costs incurred by right-holders whose rights of use would need to be amended before the period for which they were granted expires. Measures adopted to compensate for the withdrawal of rights, where such compensation does not exceed the prejudice generated by the withdrawal, could be in certain circumstances consistent with Union state-aid law
- Existing cases, in particular for compensation to consumers
 - See footnotes 13,14, 15 of the Commission proposal
 - See most recent approval of support for French households http://ec.europa.eu/competition/elojade/isef/case_details.cfm?proc_code=3_SA_42680