Changes in the PMSE Spectrum

our prediction for PMSE spectrum demand

Norbert Hilbich
Sennheiser electronic
Norbert.Hilbich@sennheiser.com

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Agenda

• Spectrum sales in the UHF-TV range
• Threat for wireless productions
• Economic impact
• Spectrum for PMSE
PMSE Applications

- Film
- Recording
- Theater, Musicals
- Broadcast, Sports
- Live Music
- Wireless Monitoring
- Conferences
- Visitor Guidance
Spectrum Sales

- Governments are keen to sell spectrum
- Terrestrial TV and PMSE suffer

Example: State Election Hamburg February 2015
8 local TV Multiplexes plus 255 PMSE units in the UHF-TV range – in one Hall!
• Governments are keen to sell spectrum
• Terrestrial TV and PMSE suffer

With the spectrum loss of Digital Dividend 2, the 700 MHz range, PMSE will suffer: fewer PMSE, less journalism, fewer diversity, no support for minorities, less jobs!
Culture contributes to our identity as Europeans, it fosters mutual understanding and participation, and it is an important factor in defining Europe's place in the world.

We are also aware of the considerable economic activity culture generates: approximately 4.4% of Europe's Gross domestic product. And 3.8% of its workforce are employed in this sector.

But we also know that those figures could be higher, that Europe should do more to harness culture's potential to the full. There is a lot of untapped potential in the cultural and creative sectors for boosting economic growth and job creation, and for improving European citizens' well-being.
Economic Background

Germany – Study of the Federal Ministry of Economy 2008-2011:

3rd strongest contributor to GDP:

Culture and Creative Industry

The major communication tool that supports these industries: PMSE – Spectrum!

No 1 in Jobs:

Culture and Creative Industry
Increasing PMSE usage:

- guarantees speech intelligibility
- anybody can easily handle it
- adds flexibility in arrangement and usage
- avoids extensive cabling
- reduces production costs

Needed: sufficient spectrum
Spectrum for PMSE

To maintain daily operations

• Secure 470 – 694 MHz until 2030 – according to EU – Lamy Report

• Open the ranges 1.350 – 1.400, 1.492 – 1.525 until 2030 – at least

• Protect PMSE against interferer: lift PMSE status to Primary user

• Allocate spectrum to Large Scale Events
Spectrum for PMSE

save our spectrum

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