

Any further erosion of the  
UHF TV band is unacceptable  
and will hurt the cultural economy  
at the basis of its existence

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**People experiences through events are essential emotions everybody needs.  
These once in a lifetime experiences will be vastly inferior without PMSE.**

UHF-TV band (470-790 MHz) spectrum is used for terrestrial TV program distribution and for wireless production tools such as wireless microphones and in-ear monitor systems (IEM) also known as PMSE (Program Making and Special Events).

These tools have a secondary status and operate in the free spaces between the TV transmitters (White Spaces). This entire "free" spectrum is essential for the operators of wireless microphones to fulfil the needs of the society for communication and recording of unique events. Therefore an **interference free transmission must be guaranteed.**

Wireless production tools are part of reporting teams for Electronic News Gathering to support conferences, VIP visits, political announcements, elections, shows, theatres, musicals, concerts, song contests, presentations, education, sports etc. Microphones are vastly invisible and provide intelligibility during any event, but also enable the presenter to move free on stage and in the audience.

For daily productions 96 MHz of White Space spectrum is needed. For "common" major events which take place at least every 3 to 5 times a month per country 270 MHz of interference free bandwidth is needed. For very big events like world championships, All-Africa-Games or the Olympic Games even more spectrum is required (e.g. at the opening ceremony Olympic Games 2004 in Athens 181 wireless microphones beside other tools such as IEM, Audio Links and wireless intercom, each on its own frequency, were in use).

As a consequence of the first Digital Dividend (WRC-07: 790 - 862 MHz) there is only 320 MHz left and as once the DTT multiplexes are deducted only 200 MHz till 250 MHz of interleaved spectrum is available. **PMSE is already at the limit of its possibilities.** Due to the physical characteristics no alternative spectrum is available for PMSE. In contrast to IMT that can use a lot of other frequencies for operation without restrictions.

If the spectrum 694 - 790 MHz is given to a service that cannot share spectrum with wireless production tools the above listed cultural events will seriously suffer: the production of major events such as national elections, festivals, sport events, etc. and **the content production of the Olympic Games will become impossible.**

TV broadcast and PMSE can share spectrum, IMT cannot share spectrum with any service!  
**Irreversible mistakes should be avoided!**

To secure cultural activities and the freedom of news gathering spectrum allocation to PMSE is primarily essential.

To secure social, cultural activities and their economic impact on the long term **PMSE must have a protected status** in their assigned spectrum.

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