



## Frequency requirements for culture and the event industry

**Culture and the event industry need a lot of frequencies to create programs (SAP/SAB = PMSE). 85 percent of all applications are using in TV UHF range between 470 and 694 MHz.** If this range is no longer available or limited, many events will no longer be possible. **In some regions, there is already a lack of free frequencies to support larger festivals.**

In the USA, the 600–700 MHz range is already used for IMT. Event organizers have to apply for time-limited licenses to be able support large events. This also affects the biggest event in the world, the Superbowl:

planning is more difficult and costs are higher.

Today, various users are sharing the TV UHF range in Europe: terrestrial television broadcasting, culture, radio astronomy, the weather service and the military. This means the band is full, additional users do not fit in.

**In addition, demand from the cultural sector is increasing** as events are getting larger and larger. Although the PMSE industry is developing new innovative, higher efficient technology, e. g., WMAS, this cannot solve the high demand for frequencies in this band.

For various reasons, **possible substitute spectrum for PMSE in other bands is not or less suitable**, including the lack of equipment, outdoor restrictions and propagation issues.

The band between 470 and 694 MHz is already fully occupied. In addition, the frequency requirements of the culture and event industry are increasing. Therefore, there is no space for additional services, applications or users.

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