

Usage of the Frequency Band 470–862 MHz for Radio Microphones (PMSE)

Information of the Austrian
Telecommunications Authority

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Frequency bands

470-790 MHz

In general the usage of the frequency band 470-790 MHz for radio microphones remains unaffected. However the frequency gaps as existed between the analogue TV channels are no longer available. On the other hand the broadcasting assignments under the GE06-Plan for digital TV provide "White Spaces" (i.e. regionally unused channels between TV allotments) in each particular region, which may be used by radio microphones.

The respective radio interface description FSB-LT009 is published on the website of the Ministry for Transport, Innovation and Technology (bmvit) - only in German:

<http://www.bmvit.gv.at/telekommunikation/funk/frequenzverw/downloads/fsblt.pdf>

As a result of the switch-over to digital terrestrial TV the available spectrum for radio microphones may be reduced in some areas, in particular for sites near the border to neighbouring countries.

A list of currently operating and planned TV-transmitters is published on the website of the Austrian Broadcasting and Telecom Regulatory Authority (RTR) - only in German:

<http://www.rtr.at/de/rtf/Frequenzbuch>

790-862 MHz

In future the frequency band 790-862 MHz will not be available any more for radio microphones. Due to the usage of International Mobile Telecommunications (IMT) an additional usage of this band on a secondary basis for radio microphone will not be possible.

Based on the Commission Decision of 6th May 2010 on harmonised technical conditions of use in the 790-862 MHz frequency band for terrestrial systems capable of providing electronic communications service in the European Union and council of ministers Decision No. 67/52 of 14th July 2010 the allocation of the "Digital Dividend" will be tendered in 2012 in Austria.

In the frequency band 790-862 MHz the maximum duration of licenses for radio microphones is limited to the end of 2011.

821-832 MHz exclusively by professional radio microphones

The frequency gap within the International Mobile Telecommunications band of 821-832 MHz will be an exclusively available frequency band for the usage of professional radio microphone applications with the identical technical data as to operation of radio microphones within the frequency band of 470-790 MHz.

Transposition of this development into Austrian regulations was carried out by means of inclusion in the Frequency Utilisation Ordinance - only in German:

<http://www.bmvit.gv.at/telekommunikation/recht/aut/verordnungen/fnv.html>

Possible alternatives for the operation of radio microphones

- 174-216 MHz, according to the relevant radio interface description FSB-LT015 - only in German:
<http://www.bmvit.gv.at/telekommunikation/funk/frequenzverw/downloads/fsblt.pdf>
- 230-250 MHz, according to the relevant radio interface description FSB-LT001 - only in German:
<http://www.bmvit.gv.at/telekommunikation/funk/frequenzverw/downloads/fsblt.pdf>

- 863-865 MHz harmonised on an European Level according to the relevant radio interface description Sub-Class 58 on the CEPT Webpage: [http://cept.org/ecc/topics/short-range-device-regulations-and-indicative-list-of-equipment-subclasses-in-accordance-with-the-rtte-directive-\(19995ec\)](http://cept.org/ecc/topics/short-range-device-regulations-and-indicative-list-of-equipment-subclasses-in-accordance-with-the-rtte-directive-(19995ec))
- 1785,700-1799,400 MHz, according to the relevant radio interface description FSBLT004 - only in German: <http://www.bmvit.gv.at/telekommunikation/funk/frequenzverw/downloads/fsblt.pdf>

On-going discussions on an European Level about the availability of the so called ~1,5 GHz band for PMSE usage.