

Radio equipment used for wireless production (PMSE – Program Making and Special Event) – Frequency ranges

Information of the supreme
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Audio PMSE radio equipment (as e.g. wireless microphones and In-Ear-Monitoring)

Frequency ranges for individual licensing

Discrete frequencies 32.25 MHz, 32.30 MHz, 36.95 MHz, 37.30 MHz, 37.70 MHz and 37.90 MHz

The conditions for the use will be specified during the course of the approval process.

Frequency range 174–216 MHz

Conditions for the use according to Radio Interface Specifications FSB-LT015.

Frequency range 230–250 MHz

Conditions for the use according to Radio Interface Specifications FSB-LT001.

Frequency range 470–790 MHz

In general the usage of the frequency band 470–694 MHz for audio PMSE radio equipment remains unaffected. 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 still may be used by wireless radio microphones.

As a result of the switch-over to digital terrestrial TV (DVB-T and DVB-T2) the available spectrum for radio microphones may be reduced in some areas, in particular for sites near the border to neighbouring countries.

Due to the compatibility studies different values of radio parameters are stipulated to the frequency range 470–694 MHz, 694–703 MHz, 733–758 MHz and 788–790 MHz. The precise technical conditions for the operation are described by the Radio Interface Specifications FSB-LT009 and FSB-LT016.

Hence the frequency range 694–790 MHz is still useable for audio PMSE equipment until 30.6.2020 within white space areas. 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/rf/Frequenzbuch>

Frequency range 790–862 MHz

The frequency gap within the International Mobile Telecommunications band of 823–832 MHz are an exclusively available frequency band for the usage of professional audio PMSE radio equipment with the technical data for the operation as described in the Radio Interface Specifications of FSB-LT017 and FSB-LT018.

Frequency range 1350–1400 MHz and 1427–1525 MHz

Through the National Table of Frequency Assignment, as amended by 16th December 2016, the frequency ranges 1350–1400 MHz and 1427–1525 MHz are assigned to the use of audio PMSE radio equipment. The frequency range 1427–1518 MHz will be maintained for the usage of audio PMSE radio equipment until the roll out of International Mobile Telecommunications, likely after year 2020. The relevant technical data for the usage will be described in the Radio Interface Specifications FSB-LT016 and FSB-LT019.

Frequency ranges for licence exempt use by audio PMSE radio equipment

Frequency range 87.5–108 MHz und 863–865 MHz

These frequency ranges are harmonised on a European level (also to wireless audio) according to the relevant radio interface description Sub-Class 48 and 86 as published on the CEPT webpage:

<http://www.cept.org/ecc/topics/srd-regulations-and-indicative-list-of-equipment-sub-classes/>

Frequency range 1785–1804.800 MHz

The frequency range 1785–1804.800 MHz is useable for audio PMSE radio equipment on a licence exempt basis according to the Radio Interface Specifications FSB-LT004.

Frequency range 2400–2483.5 MHz, 5150–5350 MHz, 5470–5725 MHz, 5725–5875 MHz und 57–66 GHz

These frequency ranges are harmonised on a European level (to wireless audio and wireless wideband data transmissions) according to the relevant radio interface description Sub-Class 21, 22, 45, 54, H01 and H03 as published on the CEPT webpage:

<http://www.cept.org/ecc/topics/srd-regulations-and-indicative-list-of-equipment-sub-classes/>

All above mentioned national FSB radio interface specifications are published on the website of the Ministry for Transport, Innovation and Technology (bmvit) – but only in German language available: <https://www.bmvit.gv.at/ofb/marktueberwachung/fsb/index.html>

An application form is available on the website of bmvit: <https://www.bmvit.gv.at/ofb/formulare/downloads/pmse.pdf>

Video PMSE radio equipment (cordless camera, portable video link)

Frequency ranges for individual licensing

Frequency ranges 1900–1920 MHz und 1980–2010 MHz/2170–2200 MHz

The conditions for the use will be specified during the course of the approval process. Frequency assignments only in case of compatibility with other radio applications and conditions according to the National Table of Frequency Assignment.

Frequency ranges 2010–2025 MHz

The relevant technical data for the usage will be described in the Radio Interface Specifications FSB-LT030.

Frequency ranges 2070–2090 MHz

The relevant technical data for the usage are described in the Radio Interface Specifications FSB-LT003.

Frequency ranges 2070–2110 MHz

The relevant technical data for the usage are described in the Radio Interface Specifications FSB-LT003.

Frequency ranges 2700–2900 MHz, 3410–3600 MHz, 3600–3800 MHz, 3984–4023 MHz, 6760–6780 MHz, 7268–7282 MHz, 7568–7582 MHz, 10.65–10.68 GHz, 21.20–22 GHz und 24.45–24.50 GHz

The conditions for the use will be specified during the course of the approval process. Frequency assignments only in case of compatibility with other radio applications and conditions according to the National Table of Frequency Assignment.

Frequency ranges 2272–2362 MHz und 4400–4516 MHz

Frequency assignments currently, only in case of approval by the Broadcaster ORF. The relevant technical data for the usage are described in the Radio Interface Specifications FSB-LT003 and FSB-LT012.

Frequency ranges for licence exempt use by video PMSE radio equipment

Frequency ranges 2400–2483.5 MHz, 5150–5350 MHz, 5470–5725 MHz, 5725–5875 MHz und 57–66 GHz

These frequency ranges are harmonised on a European level (to wireless access systems / radio lan applications, wireless audio and wireless wideband data transmissions) according to the relevant radio interface description Sub-Class 21, 22, 45, 54, H01 (and FSB-LD061) and H03 as published on the CEPT webpage:

<http://www.cept.org/ecc/topics/srd-regulations-and-indicative-list-of-equipment-sub-classes/>

Pending further notice, the InfoLetter contains only public assignable frequency ranges and ranges up to 24.5 GHz.

All above mentioned national FSB radio interface specifications are published on the website of the Ministry for Transport, Innovation and Technology (bmvit) – but only in German language available:

<https://www.bmvit.gv.at/ofb/marktueberwachung/fsb/index.html>

An application form is available on the website of bmvit: <https://www.bmvit.gv.at/ofb/formulare/downloads/pmse.pdf>