

Application for frequency licence

Office/Departement
Centre for Telecommunication

Contact:
Telephone: +45 3392 7500
Email: frekvens@ens.dk

Applicant information

All non-optional boxes must be filled in order to process your application

Name of applicant		
Address	Postal Code / City	Country
Contact Person	Email - Contact	
VAT-number	Email - Invoice	
Order Number (optional) Bank, account number, IBAN and Swift number. (For the use of potential repayment)		

Application concerning

Land mobile radio*	Simplex use	Duplex use
Mobile radio devices		
Base station		
Remote control		
Wireless microphones*		
Fixed link		
VSAT/SNG (Less than 60dBW EIRP licence exempt in Denmark)*		
Moving Camera*		
Other use	_____	

*See guidelines

Danish Energy Agency
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Installation data

All boxes must be filled in order to process your application

Name of street or location	Antenna height (m)
City	Service area or geographical position in degrees, minutes and seconds
Radiated power from base station antenna:	Radiated power from mobile antenna:
Channel bandwidth (kHz/MHz)	Terrain height above sea level (m)
First day in service period	Last day in service period

Frequencies or frequency bands

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Modulation

Speech	Digital
Data transmission	Other

Remarks

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Please send the application by e-mail: frekvens@ens.dk

Guidelines to applications

For some of the applications mentioned in the application form, a licence is not always needed. This guideline gives a brief overview of some of the rules and possibilities.

Land mobile radio

In the frequency band 446.0 - 446.2 MHz (PMR 446) LMR may be used without a licence if equipment complies with the requirements in [Radio Interface 00 022](#).

In other frequency bands a licence is required.

Moving camera

Moving cameras may be used without a licence in the following frequency bands, if equipment complies with the requirements in [Radio Interface 00 032](#).

- 2400.0 - 2483.5 MHz
- 5725.0 - 5875.0 MHz
- 57.0 - 66.0 GHz

For equipment operating in the following frequency bands a licence is required.

- 2010 - 2110 MHz
- 2200 - 2280 MHz

All licensees share the same set of frequencies available in the frequency band. The maximum transmitted power is 5 W ERP. A channel arrangement for the use of the frequencies has been defined and can be found [here](#)

VSAT/SNG

If the transmitted power does not exceed 60 dBW EIRP, then terminals for FSS (e.g. VSAT and SNG) can be used without a licence in the frequency bands listed below:

- 10.70 - 12.75 GHz (Receiver)
- 14.00 - 14.50 GHz (Transmitter)
- 17.30 - 20.20 GHz (Receiver)
- 27.5000 - 27.8285 GHz (Transmitter)
- 28.4445 - 28.9485 GHz (Transmitter)
- 29.4525 - 30.0000 GHz (Transmitter)

See more about requirements in [Radio Interface 00 058](#).

In the vicinity of airports there are certain minimum distances to the fence/boundary of the airport you have to respect - see below:

Power (EIRP)	34 - 50 dBW	50 - 55.3 dBW	55.3 - 57 dBW	57 - 60 dBW
Minimum distance	500 m	1800 m	2300 m	3500 m

For other frequencies and higher transmitted power a licence is required.

Wireless microphones

Wireless microphones may be used without a licence in several frequency bands under certain conditions. In other frequency bands a licence is required and issued by the Danish Business Authority. The conditions are described in [Radio Interface 00 025](#).

Frequency bands, which may be used license exempt for wireless microphones, are listed in table below.

Frequency band [MHz]	Maximum transmitted power [mW ERP]	Maximum bandwidth [kHz]	Remarks
32 - 39.4	2	50	Only some frequencies may be used in this band
138.250 - 142.070	50	200	Only some frequencies may be used in this band
169.4000 - 169.5875	500	50	Radio systems to use for aids for the hearing impaired
169.8250 - 173.9625	10	50	Radio systems to use for aids for the hearing impaired. Only some frequencies may be used in this band.
180.5 - 222.5	2	50	Radio systems to use for aids for the hearing impaired. Only some frequencies may be used in this band
470 - 790	50	200	Only interleaved spectrum may be used (White spaces).
823 - 832	See table 1 in radio interface 00 025	200	
863 - 865	10	200	
1785 - 1800	10	200	

Further information about wireless microphones can be found [here](#).