

FREQUENCY LIST WIRELESS SYSTEMS



| Series and Power | Description | Frequency ranges | Austria | Australia | Belgium | Denmark | Finland | France | Germany | Greece | Italy | Netherlands | Norway |
|--|-------------|------------------|--|-----------|---|---|--|-------------------------------------|-----------------------|--|-----------------------|--|--|
| U series 2 mW, 10 mW, 30 mW | LDU505 | 584 – 608 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| | LDU506 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes | Yes |
| | LDU508 | 823 – 832 MHz | License required | No | Yes Handheld only up to 20mW within 823-826 MHz | Yes Handheld only up to 20mW within 823-826 MHz | Yes Within 823-826 Mhz range, ERP ≤ 12mW for handheld. Beltpack up to 60 mW ERP | Yes. Limited to professional use | Yes | Yes Handheld only up to 20mW within 823-826 MHz | License required | Yes Handheld only up to 20mW within 823-826 MHz | Yes Handheld only up to 20mW within 823-826 MHz |
| | | 863 – 865 MHz | Yes | No | Yes (up to 10 mW eirp) | Yes Up to 10mW ERP | Yes Up to 10mW ERP | No | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP |
| WIN42 10 mW, 30 mW, 50 mW | LDWIN42B5 | 516 – 558 MHz | License required | Yes | Yes (only 518 - 526 MHz, and 534 - 542 MHz *1) | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes (except from 556 to 558 MHz) | Yes |
| | LDWIN42 | 734 - 776 MHz | License required (Only available from 733 to 758 MHz) | No | No. Only 742-750 available with license | Yes The 700 MHz use is noted to be changed from 2020 | No | No | License required | Yes | License required | Yes | Yes |
| WS1000 G2 10 mW | LDWS1000G2 | 823 - 832 MHz | License required | No | Yes Handheld only up to 20mW within 823-826 MHz | Yes | Yes | Yes. Limited to professional use | Yes | Yes | License required | Yes | Yes |
| | | 863 - 865 MHz | Yes | No | Yes (up to 10 mW eirp) | Yes | Yes Up to 10mW ERP | No | Yes | Yes | Yes Up to 10mW ERP | Yes | Yes |

FREQUENCY LIST WIRELESS SYSTEMS



| Series and Power | Description | Frequency ranges | New Zealand | Portugal | Romania | Slovenia | Spain | South Korea | Sweden | Switzerland | UAE | UK | USA |
|--|-------------|------------------|---------------------------|--|-----------------------|--|--|------------------|--|--|------------------|--|-------|
| U series 2 mW, 10 mW, 30 mW | LDU505 | 584 – 608 MHz | Yes Only up to 606 MHz | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| | LDU506 | 655 – 679 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| | LDU508 | 823 – 832 MHz | No | Yes Handheld only up to 20mW within 823-826 MHz | Yes *3 | Yes Handheld only up to 20mW within 823-826 MHz | Yes Handheld only up to 20mW within 823-826 MHz | No | Yes Handheld only up to 10mW within 823-826 MHz | Yes Handheld only up to 20mW within 823-826 MHz | License required | Shared License required | No |
| | | 863 – 865 MHz | No | Yes | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP | No | Yes Up to 10mW ERP | Yes Up to 10mW ERP | License required | Yes Up to 10mW ERP | No |
| WIN42 10 mW, 30 mW, 50 mW | LDWIN42B5 | 516 – 558 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes |
| | LDWIN42 | 734 - 776 MHz | No | Yes Only within 734-750 and 758-776 MHz. *2 | Yes *3 | Yes *4 | Yes | No | No. Not available since January 2018 | Yes | No | Site License required | No |
| WS1000 G2 10 mW | LDWS1000G2 | 823 - 832 MHz | No | Yes | Yes *3 | Yes | Yes | No | Yes | Yes | License required | Shared License required | No |
| | | 863 - 865 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |

FREQUENCY LIST WIRELESS SYSTEMS



| Series and Power | Description | Frequency ranges | Austria | Australia | Belgium | Denmark | Finland | France | Germany | Greece | Italy | Netherlands | Norway |
|-----------------------|--------------|---------------------------|------------------|--------------------|---|---------|------------------|----------------------------------|------------------|--------|------------------|---|--------|
| WS1G8 10 mW | LDWS1G8 | 1785 - 1800 MHz | Yes | Yes (from 1790MHz) | Yes | Yes | Yes | Yes. Limited to professional use | Yes | Yes | License required | Yes | Yes |
| | LDWSEC016B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| EC016 10 mW | LDWSEC016B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes | Yes |
| | LDWSEC016 | 863.000 MHz - 865.000 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| EC02 10mW | LDWSEC02 1 | 863.100 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02x2 1 | 863.100 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02 2 | 863.900 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02x2 2 | 863.900 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02 3 | 864.500 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02x2 1 | 864.500 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02 4 | 864.900 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| | LDWSEC02x2 2 | 864.900 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |

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|-----------------------|--------------|---------------------------|---------------------------|------------------------|---------|----------|-------|------------------|------------------|-------------|------------------|--|-------|
| WS1G8 10 mW | LDWS1G8 | 1785 - 1800 MHz | No | Yes 1795-1804,8 MHz | Yes | Yes | Yes | No | License required | Yes | License required | Site License required | No |
| EC016 10 mW | LDWSECO16B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| | LDWSECO16B6 | 655 – 679 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| EC02 10mW | LDWSECO16 | 863.000 MHz - 865.000 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2 1 | 863.100 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2x2 1 | 863.100 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2 2 | 863.900 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2x2 2 | 863.900 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2 3 | 864.500 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2x2 1 | 864.500 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2 4 | 864.900 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| | LDWSECO2x2 2 | 864.900 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |

Please note that this list is not complete and will be updated over time.

For countries not included in the list above: please contact the relevant authorities and inform yourselves about the permitted frequency ranges for your country.

*1 - 534 - 542 not available in Hainaut

*2 -In Portugal, only use of transmitting microphones in sub-bands 470-734 MHz and 742-786 MHz in R. A. Madeira is allowed. And 470-750 MHz and 758-786 MHz on the Continent.

ERP = Effective radiated power

*3 - Licence exemption. Geographical restrictions for the sharing usage with the TV Broadcasting. It is needed to contact the National Spectrum Management Authority.

*4 - Use of the frequencies for TRA-ECS is possible in accordance with EC and/or CEPT documents based on the „Mandate to CEPT to develop harmonised technical conditions for the 694-790 MHz (,700 MHz) frequency band in the EU for the provision of wireless broadband and other uses in support of EU spectrum policy objectives“ and taking into account the decision to introduce PPDR services.

*5 - The situation for wireless microphone operation in the U.S. is currently in flux due to the upcoming Incentive Auction of UHF (600 MHz) television band frequencies, which is planned to start on 29 March, 2016. Much less UHF spectrum is expected to be available after the upper part of the TV broadcast band is "repurposed".

| | |
|-----|-------------------------|
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| No | = frequency unavailable |
| Yes | = licence required |



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FREQUENCY LIST **PORTABLE BATTERY POWERED ACTIVE PA SPEAKERS**



| Series and Power | Description | Frequency ranges | Austria | Australia | Belgium | Denmark | Finland | France | Germany | Greece | Italy | Netherlands | Norway |
|------------------|-------------|------------------|------------------|-----------|---|---------|------------------|----------------------------------|------------------|--------|------------------|---|--------|
| 10mW | LDRBUD10 | 863 - 865 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10mW | LDRBUD10B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| | LDRBUD10B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes | Yes |
| 10 mW | LDRB65 | 863 - 865 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDRB65B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| 10 mW | LDRB65B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes | Yes |
| 10 mW | LDRM102 | 863 - 865 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDRM 102B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| 10 mW | LDRM 102B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes | Yes |



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|------------------|-------------|------------------|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|------------------|--|-------|
| 10mW | LDRBUD10 | 863 - 865 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10mW | LDRBUD10B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| | LDRBUD10B6 | 655 – 679 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| 10 mW | LDRB65 | 863 - 865 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10 mW | LDRB65B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| 10 mW | LDRB65B6 | 655 – 679 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| 10 mW | LDRM102 | 863 - 865 MHz | No | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP | Yes Up to 10mW ERP | No | Yes Up to 10mW ERP | Yes Up to 10mW ERP | License required | Yes Up to 10mW ERP | No |
| 10 mW | LDRM102B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| 10 mW | LDRM102B6 | 655 – 679 MHz | Yes | Yes | Yes *3 | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |

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| Yes | = licence required |



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FREQUENCY LIST **IN-EAR MONITORING SYSTEMS**



| Series and Power | Description | Frequency ranges | Austria | Australia | Belgium | Denmark | Finland | France | Germany | Greece | Italy | Netherlands | Norway |
|------------------|---------------|------------------|------------------|------------------|--|------------------|------------------|-------------------------------------|-------------------------------------|------------------|------------------|--|--------|
| 10 mW | LDMEI1000G2 | 823 - 832 MHz | License required | No | Yes | Yes | Yes | Yes. Limited to professional use | Yes | Yes | License required | Yes | Yes |
| | | 863 - 865 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDMEI1000G2B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| | | LDMEI1000G2B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes |
| 10 mW | LDMEI100G2 | 823 - 832 MHz | License required | No | Yes | Yes | Yes | Yes. Limited to professional use | Yes | Yes | License required | Yes | Yes |
| | | 863 - 865 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDMEI100G2B5 | 584 – 607 MHz | License required | Yes | License required up to 606 Mhz. 606-614 MHz not allowed | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes Only allowed within 584-588, 590-596, and 598-604 MHz range | Yes |
| | | LDMEI100G2B6 | 655 – 679 MHz | License required | Yes | License required | Yes | License required | Yes. Limited to professional use | License required | Yes | License required | Yes |
| 10 mW | LDMEIONE1 | 863.700 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDMEIONE2 | 864.100 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |
| 10 mW | LDMEIONE3 | 864.900 MHz | Yes | No | Yes | Yes | Yes | No | Yes | Yes | Yes | Yes | Yes |

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|------------------|---------------|------------------|---------------------------|----------|---------|----------|-------|------------------|------------------|-------------|------------------|--|-------|
| 10 mW | LDMEI1000G2 | 823 - 832 MHz | No | Yes | No | Yes | Yes | No | Yes | Yes | License required | Shared License required | No |
| | | 863 - 865 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10 mW | LDMEI1000G2B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | No | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| | LDMEI1000G2B6 | 655 – 679 MHz | Yes | Yes | No | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| 10 mW | LDMEI100G2 | 823 - 832 MHz | No | Yes | No | Yes | Yes | No | Yes | Yes | License required | Shared License required | No |
| | | 863 - 865 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10 mW | LDMEI100G2B5 | 584 – 607 MHz | Yes Only up to 606 MHz | Yes | No | Yes | Yes | License required | License required | Yes | License required | Site License required. Only allowed up to 606 MHz | Yes |
| | LDMEI100G2B6 | 655 – 679 MHz | Yes | Yes | No | Yes | Yes | License required | License required | Yes | License required | Site License required | Yes*5 |
| 10 mW | LDMEIONE1 | 863.700 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10 mW | LDMEIONE2 | 864.100 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |
| 10 mW | LDMEIONE3 | 864.900 MHz | No | Yes | Yes | Yes | Yes | No | Yes | Yes | License required | Yes | No |

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