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| POR - Portugal | | | |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
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| ANACOM - Autoridade Nacional de Comunicações | 12, Av. José Malhoa 1099 - 017 Lisboa | TF : +351 21 7211000 FAX : +351 21 7211001 |  |
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Stations in the Terrestrial radiocommunication services

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Açores (Ponta Delgada)** | CMCE-A 18, Rua dos Valados Relva 9500-652 Ponta Delgada Portugal | TF : +351 296 302040 FAX : +351 296 302041 EMAIL : Monitor.acores@anacom.pt | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 37°45'18''N 025°42'28''W | Frequency measurements | 10 kHz - 1000 MHz | H24\* | Remote network system. Four stations, controlled by LTE data service that covers the Terceira, Faial, Santa Maria and Flores Islands. All these stations cover the frequency range from 20 kHz up to 2700 MHz.  Possibility of reception of radio emissions from 10 kHz up to 6000 MHz.  Measurements also carried out by mobile stations (10 kHz up to 3000 MHz).  Automatic recording system, composed by a receiver, a computer and adequate software.  Spectrum analyser (9 kHz up to 40 GHz).  \* Local and remote controlled |
| 37°45'18''N 025°42'28''W | Field strength or power flux-density measurements | 10 kHz - 1000 MHz | H24\* | \* Local and remote controlled |
| 37°45'18''N 025°42'28''W | Direction-finding measurements | 20 MHz - 3000 MHz | H24\* | Manually operated.  Measurements also carried out by mobile station.  \* Local and remote controlled |
| 37°45'18''N 025°42'28''W | Bandwidth measurements | 10 kHz - 1000 MHz | H24\* | \* Local and remote controlled |
| 37°45'18''N 025°42'28''W | Automatic spectrum occupancy surveys | 10 kHz - 1000 MHz | H24\* | \* Local and remote controlled |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Barcarena (Lisboa) (IMS)** | CMCE-S Alto do Paimão 2730-216 Barcarena Portugal | TF : +351 21 4348525 TF : +351 21 4348500 FAX : +351 21 4348590 EMAIL : Monitor.sul@anacom.pt | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 38°43'45''N 009°15'47''W | Frequency measurements | 10 kHz -3600 MHz | H24\* | Possibility of reception of radio emissions from 10 kHz up to 50 GHz.  Possibility of reception, measurement and identification of telegraphic emissions, such as: Morse code; RTTY; ARQ, FEC, SSTV, POCSAG; Packetradio/SITOR/AMTOR; others.  Measurements also carried out by mobile stations (10 kHz up to 3000 MHz).  FFT Spectrum analyser (9 kHz up to 40 GHz).  Remote network system. Twelve stations, controlled by DSL lines. Six of them cover the Southern part of the country and the other six cover the Northern part. All these stations cover the frequency range from 10 kHz up to 3600 MHz. Six stations provided with direction-finding system (interferometry), three in the South (Lisbon) and three in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.  \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Field strength or power flux-density measurements | 10 kHz - 30 MHz | H24\* | \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Field strength or power flux-density measurements | 20 MHz - 3600 MHz | H24\* | \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Direction-finding measurements | 300 kHz - 30 MHz | H24\* | Crossed loop antennas array.  Correlative Interferometry direction finding.  \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Direction-finding measurements | 20 MHz - 3000 MHz | H24\* | Measurements also carried out by mobile stations (20 kHz up to 3000 MHz).  Correlative Interferometry direction finding.  Remote network system. Six of twelve stations provided with direction-finding system (interferometry), three in the South (Lisbon) and three in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.  Portable correlative interferometer DF (20 MHz - 6 GHz).  \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Bandwidth measurements | 10 kHz - 40 GHz | H24\* | \* Local and remote controlled |
| 38°43'45''N 009°15'47''W | Automatic spectrum occupancy surveys | 10 kHz - 3600 MHz | H24\* | \* Local and remote controlled |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Madeira (Funchal)** | CMCE-M 19, Rua Vale das Neves 9050-325 Funchal Portugal | TF : +351 291 790200 FAX : +351 291 790201 EMAIL : Monitor.madeira@anacom.pt | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 32°38'57''N 016°52'04''W | Frequency measurements | 10 kHz - 3000 MHz | H24\* | Possibility of reception of radio emissions from 10 kHz up to 6000 MHz.  Measurements also carried out by mobile stations (10 kHz up to 3000 MHz).  Spectrum analyser (9 kHz up to 40 GHz).  Remote network system. Four stations, controlled by LTE data service. Three of them cover the Madeira Island and the other covers Porto Santo Island. All these stations cover the frequency range from 20 kHz up to 2700 MHz.  \* Local and remote controlled |
| 32°38'57''N 016°52'04''W | Field strength or power flux-density measurements | 10 kHz - 3000 MHz | H24\* | \* Local and remote controlled |
| 32°38'57''N 016°52'04''W | Direction-finding measurements | 20 MHz - 3000 MHz | H24\* | Manually operated.  Measurements also carried out by mobile station.  \* Local and remote controlled |
| 32°38'57''N 016°52'04''W | Bandwidth measurements | 10 kHz - 3000 MHz | H24\* | \* Local and remote controlled |
| 32°38'57''N 016°52'04''W | Automatic spectrum occupancy surveys | 10 kHz - 3000 MHz | H24\* | \* Local and remote controlled |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Porto** | CMCE-N 59, Rua Direita do Viso 4250-198 Porto Portugal | TF : +351 22 6198010 TF : +351 22 6198000 FAX : +351 22 6198002 EMAIL : Monitor.norte@anacom.pt | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 41°10'43''N 008°38'28''W | Frequency measurements | 10 kHz - 3000 MHz | H24\* | Possibility of reception of radio emissions from 10 kHz up to 50 GHz.  Possibility of reception, measurement and identification of telegraphic emissions, such as: Morse code; RTTY; ARQ, FEC, SSTV, POCSAG; Packetradio/SITOR/AMTOR; others.  Measurements also carried out by mobile stations (20 kHz up to 3000 MHz).  FFT Spectrum analyser (9 kHz up to 40 GHz).  Remote network system. Twelve stations, controlled by DSL lines. Six of them cover the Southern part of the country and the other six cover the Northern part. All these stations cover the frequency range from 10 kHz up to 3600 MHz. Six stations provided with direction-finding system (interferometry), three in the South (Lisbon) and three in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.  \* Local and remote controlled |
| 41°10'43''N 008°38'28''W | Field strength or power flux-density measurements | 10 kHz - 3000 MHz | H24\* | \* Local and remote controlled |
| 41°10'43''N 008°38'28''W | Direction-finding measurements | 20 MHz - 3000 MHz | H24\* | Measurements also carried out by mobile stations (20 kHz up to 3000 MHz).  Correlative Interferometry direction finding.  Remote network system. Six of twelve stations provided with direction-finding system (interferometry), three in the South (Lisbon) and three in the North (Porto), for the frequency range from 20 MHz up to 3000 MHz.  Portable correlative interferometer DF (20 MHz - 6 GHz).  \* Local and remote controlled |
| 41°10'43''N 008°38'28''W | Bandwidth measurements | 10 kHz - 40 GHz | H24\* | \* Local and remote controlled |
| 41°10'43''N 008°38'28''W | Automatic spectrum occupancy surveys | 10 kHz - 3000 MHz | H24\* | \* Local and remote controlled |

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