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| RUS - Russian Federation | | | |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
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| Federal State Unitary Enterprise General Radio Frequency Centre | Building 15 7, Derbenevskaya Embankment 117997 Moscow | TF : +7 495 7481448 FAX : +7 495 7480680 EMAIL : int@grfc.ru |  |
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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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| **Arkhangelsk (IMS)** | 1, Uritskogo str. 163002 Arkhangelsk  Russian Federation | TF : +7 818 2682182 FAX : +7 818 2682182 EMAIL : info.d29@rfc-nwfa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 64°37'30''N 040°37'20''E | Frequency measurements | 9 kHz - 30 MHz | H24 |  |
| 64°37'30''N 040°37'20''E | Field strength or power flux-density measurements | 9 kHz - 30 MHz | H24 |  |
| 64°37'30''N 040°37'20''E | Direction-finding measurements | 100 kHz - 30 MHz | H24 | 7 active antenna elements of type volume vibrator of height 7.5 m for reception and direction-finding of electromagnetic waves with vertical polarization in the frequency band from 100 kHz to 30 MHz. |
| 64°37'30''N 040°37'20''E | Bandwidth measurements | 9 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 64°37'30''N 040°37'20''E | Automatic spectrum occupancy surveys | 100 kHz - 30 MHz | H24 |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Belgorod (IMS)** | 58, Oktyabrskaya str. 308001 Belgorod Russian Federation | TF : +7 472 2337740 FAX : +7 472 2337780 EMAIL : belgorod@rfc-cfa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 50°39'10''N 036°36'20''E | Frequency measurements | 9 kHz - 30 MHz | H24 |  |
| 50°39'10''N 036°36'20''E | Field strength or power flux-density measurements | 9 kHz - 30 MHz | H24 |  |
| 50°39'10''N 036°36'20''E | Direction-finding measurements | 10 kHz - 100 kHz | H24 | Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 1.5 m. Vertical polarization. |
| 50°39'10''N 036°36'20''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization. |
| 50°39'10''N 036°36'20''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization. |
| 50°39'10''N 036°36'20''E | Bandwidth measurements | 9 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 50°39'10''N 036°36'20''E | Automatic spectrum occupancy surveys | 9 kHz - 30 MHz | H24 |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Irkutsk** | 24, Gornaya Str. 664007 Irkutsk Russian Federation | TF : +7 395 2268960 FAX : +7 395 2268972 EMAIL : office@irk.srfc.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 52°39'37''N 104°47'10''E | Frequency measurements | 10 kHz - 30 MHz | H24 | Accuracy of measurements: ± 1 Hz (absolute value). |
| 52°39'37''N 104°47'10''E | Field strength or power flux-density measurements | 10 kHz - 30 MHz | H24 | Measurement range: 10 - 120 dBμV/m.  Accuracy of measurements: ± 3 dB. |
| 52°39'37''N 104°47'10''E | Direction-finding measurements | 10 kHz - 30 MHz | H24 | Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 0.5 m. Vertical polarization.  Antenna system with frequency range from 1 MHz to 30 MHz - 17 active antenna elements based on vertical asymmetrical volume vibrators with a height of 11.93 m. Vertical polarization. |
| 52°39'37''N 104°47'10''E | Bandwidth measurements | 10 kHz - 30 MHz | H24 | x dB method and β% method according to ITU-R Recommendation SM.443-4. |
| 52°39'37''N 104°47'10''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Morozovsk** | 81, Demyana Bednogo Str. 347210 Morozovsk Rostov Region Russian Federation | TF : +7 863 8450455 FAX : +7 863 8450402 EMAIL : morozovsk@rfc-south.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 48°20'10''N 041°52'00''E | Frequency measurements | 1 MHz - 30 MHz | H24 | Accuracy of measurements: ± 1 Hz (absolute value). |
| 48°20'10''N 041°52'00''E | Field strength or power flux-density measurements | 1 MHz - 30 MHz | H24 | Values of measurable field strengths or power flux-densities: 10 - 120 dBμV/m; Accuracy of measurements: ± 3 dB. |
| 48°20'10''N 041°52'00''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 17 active antenna elements of volumetric vibrator type with 11.9 m in height. Vertical polarization (1 MHz - 30 MHz). |
| 48°20'10''N 041°52'00''E | Bandwidth measurements | 1 MHz - 30 MHz | H24 | x dB method according to ITU-R Recommendation SM.443-4. |
| 48°20'10''N 041°52'00''E | Automatic spectrum occupancy surveys | 1 MHz - 30 MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Novosibirsk (IMS)** | 4, Oktyabrskaya Magistral 630007 Novosibirsk Russian Federation | TF : +7 383 2231182 FAX : +7 383 2231182 EMAIL : office@srfc.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 54°47'56''N 083°07'42''E | Frequency measurements | 10 kHz - 30 MHz | H24 |  |
| 54°47'56''N 083°07'42''E | Field strength or power flux-density measurements | 10 kHz - 30 MHz | H24 |  |
| 54°47'56''N 083°07'42''E | Direction-finding measurements | 10 kHz - 100 kHz | H24 | Two magnetic dipoles - multiturn frames with ferrite cores. The effective length of antenna not less 0.5 m. Vertical polarization. |
| 54°47'56''N 083°07'42''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Two magnetic dipoles - three-turn frames 3 m in diameter. The effective length of antenna not less 1.5 m. Vertical polarization. |
| 54°47'56''N 083°07'42''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 17 antennas based on vertical asymmetrical dipoles with 11.93 m in height. Vertical polarization. |
| 54°47'56''N 083°07'42''E | Bandwidth measurements | 10 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 54°47'56''N 083°07'42''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Nyagan** | Highway, Building 1 14 Unyugan village Khanty-Mansiisk autonomous district-Yugra 628181 Nyagan Tyumen Region Russian Federation | TF : +7 346 7261332 FAX : +7 346 7266939 EMAIL : a.anisimov@urfc.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 62°06'00''N 065°24'00''E | Frequency measurements | 1 MHz - 30 MHz | H24 | Accuracy of measurements: ± 1 Hz (absolute value). |
| 62°06'00''N 065°24'00''E | Field strength or power flux-density measurements | 1 MHz - 30 MHz | H24 | Measurement range: 10 - 120 dBμV/m.  Accuracy of measurements: ± 3 dB. |
| 62°06'00''N 065°24'00''E | Direction-finding measurements | 10 kHz - 30 MHz | H24 | Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization. |
| 62°06'00''N 065°24'00''E | Bandwidth measurements | 1 MHz - 30 MHz | H24 | x dB method according to ITU-R Recommendation SM.443-4. |
| 62°06'00''N 065°24'00''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **S. Petersburg (IMS)** | 27, Galernaya str. 190000 Saint Petersburg Russian Federation | TF : +7 812 320 9393 FAX : +7 812 6357808 EMAIL : info@rfc-nwfa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 60°06'10''N 030°08'00''E | Frequency measurements | 9 kHz - 30 MHz | H24 |  |
| 60°06'10''N 030°08'00''E | Field strength or power flux-density measurements | 9 kHz - 30 MHz | H24 |  |
| 60°06'10''N 030°08'00''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Three-channel loop antenna system in the frequency band from 100 kHz to 1 MHz on a mast, operating antenna length not less than 1.5 m, for reception and direction-finding of electromagnetic waves with vertical polarization. |
| 60°06'10''N 030°08'00''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 8 active antenna elements of type volume vibrator of height 7.5 m for reception and direction-finding of electromagnetic waves with vertical polarization in the frequency band from 100 kHz to 30 MHz. |
| 60°06'10''N 030°08'00''E | Bandwidth measurements | 9 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 60°06'10''N 030°08'00''E | Automatic spectrum occupancy surveys | 100 kHz - 30 MHz | H24 |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Samara** | Pridorozhnyi village 443047 Volgian district Samara Region Russian Federation | TF : +7 846 2696513 FAX : +7 846 2696514 EMAIL : strk@rfc63.su | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 53°05'00''N 050°10'26''E | Frequency measurements | 1MHz - 30 MHz | H24 | Accuracy of measurements: ± 1 Hz (absolute value). |
| 53°05'00''N 050°10'26''E | Field strength or power flux-density measurements | 1 MHz - 30 MHz | H24 | Measurement range: 10 - 120 dBμV/m.  Accuracy of measurements: ± 3 dB. |
| 53°05'00''N 050°10'26''E | Direction-finding measurements | 10 kHz - 30 MHz | H24 | Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization. |
| 53°05'00''N 050°10'26''E | Bandwidth measurements | 1 MHz - 30 MHz | H24 | x dB method according to ITU-R Recommendation SM.443-4. |
| 53°05'00''N 050°10'26''E | Automatic spectrum occupancy surveys | 10 kHz - 30MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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| **Slavyanka (IMS)** | 17, Irtyshskiy proezd 680006 Khabarovsk Russian Federation | TF : +7 421 2744000 FAX : +7 421 2744000 EMAIL : info@rfc-fefa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 42°49'53''N 131°18'51''E | Frequency measurements | 10 kHz - 30 MHz | H24 |  |
| 42°49'53''N 131°18'51''E | Field strength or power flux-density measurements | 10 kHz - 30 MHz | H24 |  |
| 42°49'53''N 131°18'51''E | Direction-finding measurements | 10 kHz - 100 kHz | H24 | Two magnetic dipoles - multiturn frames with ferrite cores. The effective length of antenna not less 0.5 m. Vertical polarization. |
| 42°49'53''N 131°18'51''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Two magnetic dipoles - three-turn frames 3 m in diameter. The effective length of antenna not less 1.5 m. Vertical polarization. |
| 42°49'53''N 131°18'51''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 17 antennas based on vertical asymmetrical dipoles with 11.93 m in height. Vertical polarization. |
| 42°49'53''N 131°18'51''E | Bandwidth measurements | 10 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 42°49'53''N 131°18'51''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 |  |

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| **Smolensk (IMS)** | 21, Nakhimova str. 214025 Smolensk Russian Federation | TF : +7 481 2642706 FAX : +7 481 2642706 EMAIL : smolensk@rfc-cfa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 54°50'50''N 032°05'40''E | Frequency measurements | 9 kHz - 30 MHz | H24 |  |
| 54°50'50''N 032°05'40''E | Field strength or power flux-density measurements | 9 kHz - 30 MHz | H24 |  |
| 54°50'50''N 032°05'40''E | Direction-finding measurements | 10 kHz - 100 kHz | H24 | Three-channel magnetic loop antenna arrangement, range from 10 kHz to 100 kHz, in a radio­transparent container, active length of antenna not less than 0.5 m. Vertical polarization.  Direction-finding mode – phased. |
| 54°50'50''N 032°05'40''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Mast-supported three-channel loop antenna arrangement, range from 100 kHz to 1 MHz, active length of antenna not less than 1.5 m. Vertical polarization. |
| 54°50'50''N 032°05'40''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 16 active antenna elements of the volumetric dipole type, height 11.93 m. Vertical polarization. |
| 54°50'50''N 032°05'40''E | Bandwidth measurements | 9 kHz - 30 MHz | H24 | In accordance with Recommendation ITU-R SM.443-4. |
| 54°50'50''N 032°05'40''E | Automatic spectrum occupancy surveys | 9 kHz - 30 MHz | H24 |  |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Verhneye Dubrovo** | 15, Tekhnicheskaya street Verkhneye Dubrovo urban-type settlement 624053 Beloyarskyi district Sverdlovsk Region Russian Federation | TF : +7 343 2160228 FAX : +7 343 2160093 EMAIL : a.chaschin@urfc.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 56°46'10''N 061°02'20''E | Frequency measurements | 1 MHz - 30 MHz | H24 | Accuracy of measurements: ± 1 Hz (absolute value). |
| 56°46'10''N 061°02'20''E | Field strength or power flux-density measurements | 1 MHz - 30 MHz | H24 | Measurement range: 10 - 120 dBμV/m.  Accuracy of measurements: ± 3 dB. |
| 56°46'10''N 061°02'20''E | Direction-finding measurements | 10 kHz - 30 MHz | H24 | Antenna system with frequency range from 100 kHz to 1 MHz - two magnetic dipoles - three-turn frames with diameter 3 m, active length of antenna not less than 1.5 m. Vertical polarization.  Antenna system with frequency range from 1 MHz to 30 MHz - 17 antennas based on vertical asymmetrical volumetric dipoles with a height of 11.2 m. Vertical polarization.  Antenna system with frequency range from 10 kHz to 100 kHz - two magnetic dipoles - multiturn frames with ferrite cores, active length of antenna not less than 0.5 m. Vertical polarization. |
| 56°46'10''N 061°02'20''E | Bandwidth measurements | 1 MHz - 30 MHz | H24 | x dB method according to ITU-R Recommendation SM.443-4. |
| 56°46'10''N 061°02'20''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Yakutsk** | 17, Irtyshskiy proezd 680006 Khabarovsk Russian Federation | TF : +7 421 2744000 FAX : +7 421 2541212 EMAIL : info@rfc-fefa.ru | |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 61°54'41''N 129°33'09''E | Frequency measurements | 10 kHz - 30 MHz | H24 | Accuracy of measurements: ± 2 × 10-8 (relative value); ± 1 Hz (absolute value). |
| 61°54'41''N 129°33'09''E | Field strength or power flux-density measurements | 10 kHz - 30 MHz | H24 | Values of measurable field strengths or power flux-densities: 0 - 120 dBμV/m; Accuracy of measurements: ± 3 dB. |
| 61°54'41''N 129°33'09''E | Direction-finding measurements | 10 kHz - 100 kHz | H24 | Three-channel magnetic loop antenna arrangement in the frequency range from 10 kHz to 100 kHz. |
| 61°54'41''N 129°33'09''E | Direction-finding measurements | 100 kHz - 1 MHz | H24 | Three-channel loop antenna arrangement with 3 m diameter in the frequency range from 100 kHz to 1 MHz. |
| 61°54'41''N 129°33'09''E | Direction-finding measurements | 1 MHz - 30 MHz | H24 | 9 active antenna elements of volumetric vibrator type with 11.2 m in height, vertical polarization in the frequency range from 1 MHz to 30 MHz. |
| 61°54'41''N 129°33'09''E | Bandwidth measurements | 10 kHz - 30 MHz | H24 | x dB method according to ITU-R Recommendation SM.443-4. |
| 61°54'41''N 129°33'09''E | Automatic spectrum occupancy surveys | 10 kHz - 30 MHz | H24 | Automatic measurement of spectrum occupancy in accordance with ITU-R Recommendation SM.1880 and ITU Handbook on Spectrum Monitoring. |

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