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| KOR - Korea (Rep. of) |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Central Radio Management ServiceMinistry of Science and ICT | 234, Songpa-daeroSongpa-guSeoul 05830 | PHONE: +82 2 34002000TELEFAX: +82 2 34002128EMAIL: hds0607@msip.go.kr |  |
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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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| **Dangjin (IMS)** | 730, Deokpeong-roUgang-myeonDangjin-gunChungnam 31754Korea (Rep. of) | PHONE: +82 41 3602800TELEFAX: +82 41 3602822 |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 36°49'14"N126°46'20"E | Direction-finding measurements   | 1.5 MHz - 30 MHz   | H24   | Fixed monitoring station.Crossed loop antenna.   |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
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| **Gangneung** | 40-31, Seongan-gilYeongok-myeonGangneung 25428Korea (Rep. of) | PHONE: +82 33 6602980TELEFAX: +82 33 6602869 |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 37°51'48"N128°49'51"E | Direction-finding measurements   | 1.6 MHz - 30 MHz   | H24   | Fixed monitoring station.   |
| 37°51'48"N128°49'51"E | Frequency measurements   | 9 kHz - 30 MHz   | H24   | HF band integrated monitoring system.   |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
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| **Jeju** | 365, Dochidol-gilAeweol-eup BukjejuJeju 63037Korea (Rep. of) | PHONE: +82 64 7402800TELEFAX: +82 64 7402880 |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 33°24'01"N126°22'35"E | Direction-finding measurements   | 1.6 MHz - 30 MHz   | H24   | Fixed monitoring station.   |

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
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| **Ulsan** | 157-6, Wigok 2-gilSeosaeng-myeonUlju-gunUlsan 45013Korea (Rep. of) | PHONE: +82 52 2318810TELEFAX: +82 52 2318822 |

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| **Geographical coordinates** | **Types of measurements** | **Ranges of frequencies for each measurement** | **Hours of service (UTC)** | **Remarks** |
| 35°22'47"N129°18'27"E | Frequency measurements   | 9 kHz - 30 MHz   | H24   | HF band integrated monitoring system.   |
| 36°49'14"N126°46'20"E | Direction-finding measurements   | 1.6 MHz - 30 MHz   | H24   | Fixed monitoring station.Crossed loop antenna.   |

Stations in the Space radiocommunication services

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
|  |  |  |  |
| **Icheon** | 100, Sinam-roSeolseong-myeonGyeonggi-doKorea (Rep. of) | PHONE: +82 31 6445900TELEFAX: +82 31 6445829EMAIL: srmc@korea.kr |

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| **1. Geographical coordinates** |
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| 37°08'15"N  |
| 127°33'37"E  |

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| **2. Hours of service** |
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| 0000-0900 h from Monday to Friday.   |

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| **3. Information on antennas in use** |
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| Two 13 m cassegrain antennas for frequency ranges (a), (b), (c), (d), (e), (f). 2-axis, velocity: azimuth 5°/s, elevation 2.5°/s;Log spiral antennas for the frequency range (g). Omni-directional;A 4.6m parabolic antenna for the frequency range (h). 2-axis, velocity: azimuth 15°/s, elevation 10°/s;Two 11m cassegrain antennas for the frequency ranges (i), (j). 3-axis, velocity: azimuth 15°/s, elevation 10°/s, tilt 1°/s.   |

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| **4. Range of azimuth and elevation angles** |
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| Azimuth ± 270°, elevation 0° ~ 90°, tilt 180°(± 90°, for 11m cassegrain antennas).   |

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| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
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| (a) L band: 0.034°(b) S band: 0.031°(c) C band: 0.013°(d) X band: 0.008°(e) Ku band: 0.003°(f) Ka band: 0.002°No information notified in the frequency ranges (h) to (j).   |

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| **6. Information on system polarization** |
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| Circular polarization (RHC, LHC) and linear polarization (horizontal, vertical) in all frequency ranges except for (g), polarization angle adjustable. In frequency range (g) circular polarization.   |

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| **7. System noise temperature** |
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| (a) L band: 87° K(b) S band: 82° K(c) C band: 78° K(d) X band: 80° K(e) Ku band: 85° K(f) Ka band: 133° K(g) 137 MHz - 26.5 GHz: 160° K(h) 137 MHz - 1 GHz: 72° K(i) 1 GHz - 26.5 GHz: 160° K(j) 1 GHz - 10.51 GHz: 112° K   |

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| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
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| (a) L band: 1.45 GHz ~ 1.8 GHz: 1 × 10-12(b) S band: 2.17 GHz ~ 2.66 GHz: 1 × 10-12(c) C band: 3.4 GHz ~ 4.8 GHz: 1 × 10-12(d) X band: 6.7 GHz ~ 7.75 GHz: 1 × 10-12(e) Ku band: 10.7 GHz ~ 12.75 GHz: 1 × 10-12(f) Ka band: 17.7 GHz ~ 21 GHz: 1 × 10-12(g) 137 MHz - 26.5 GHz: 1 × 10-12(h) 137 MHz - 1 GHz: 1 × 10-12(i) 1 GHz - 26.5 GHz: 1 × 10-12(j) 1 GHz - 10.51 GHz: 1 × 10-12   |

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| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
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| (a) L band: 1.45 GHz ~ 1.8 GHz(b) S band: 2.17 GHz ~ 2.66 GHz(c) C band: 3.4 GHz ~ 4.8 GHz(d) X band: 6.7 GHz ~ 7.75 GHz(e) Ku band: 10.7 GHz ~ 12.75 GHz(f) Ka band: 17.7 GHz ~ 21 GHz(g) 137 MHz - 26.5 GHz(h) 137 MHz - 1 GHz(i) 1 GHz - 26.5 GHz(j) 1 GHz - 10.51 GHz   |

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| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
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| (a) L band: -171 dBW/m²; ± 1.5 dB(b) S band: -173 dBW/m²; ± 1.5 dB(c) C band: -167 dBW/m²; ± 1.5 dB(d) X band: -176 dBW/m²; ± 1.5 dB(e) Ku band: -180 dBW/m²; ± 1.5 dB(f) Ka band: -187 dBW/m²; ± 1.5 dBBandwidth 4 kHz, C/N ~ 20 dBNo information notified in the frequency ranges (g) to (j).   |

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| **11. Information available for bandwidth measurements** |
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| Bandwidth measurements in accordance with the methods described in Recommendation ITU-R SM.328-10.   |

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| **12. Information available for spectrum occupancy measurements** |
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| Time and frequency of the signal from the satellite are graphically displayed on the spectrum monitor terminal.   |

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| **13. Information available for orbit occupancy measurements** |
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| Automatic orbital location measurements are carried out in the frequency ranges (a) to (f) and (h) to (j).   |

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