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| KOR - Korea (Rep. of) | | | |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Central Radio Management Service Ministry of Science and ICT | 234, Songpa-daero Songpa-gu Seoul 05830 | PHONE: +82 2 34002000 TELEFAX: +82 2 34002128 EMAIL: 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-ro Ugang-myeon Dangjin-gun Chungnam 31754 Korea (Rep. of) | PHONE: +82 41 3602800 TELEFAX: +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"N 126°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-gil Yeongok-myeon Gangneung 25428 Korea (Rep. of) | PHONE: +82 33 6602980 TELEFAX: +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"N 128°49'51"E | Direction-finding measurements | 1.6 MHz - 30 MHz | H24 | Fixed monitoring station. |
| 37°51'48"N 128°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-gil Aeweol-eup Bukjeju Jeju 63037 Korea (Rep. of) | PHONE: +82 64 7402800 TELEFAX: +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"N 126°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-gil Seosaeng-myeon Ulju-gun Ulsan 45013 Korea (Rep. of) | PHONE: +82 52 2318810 TELEFAX: +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"N 129°18'27"E | Frequency measurements | 9 kHz - 30 MHz | H24 | HF band integrated monitoring system. |
| 36°49'14"N 126°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** | |
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| **Icheon** | 100, Sinam-ro Seolseong-myeon Gyeonggi-do Korea (Rep. of) | PHONE: +82 31 6445900 TELEFAX: +82 31 6445829 EMAIL: srmc@korea.kr | |

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| **1. Geographical coordinates** |
| |  | | --- | | 37°08'15"N | | 127°33'37"E | |
| **2. Hours of service** |
| |  | | --- | | 0000-0900 h from Monday to Friday. | |
| **3. Information on antennas in use** |
| |  | | --- | | 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. | |
| **4. Range of azimuth and elevation angles** |
| |  | | --- | | Azimuth ± 270°, elevation 0° ~ 90°, tilt 180°(± 90°, for 11m cassegrain antennas). | |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
| |  | | --- | | (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). | |
| **6. Information on system polarization** |
| |  | | --- | | 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. | |
| **7. System noise temperature** |
| |  | | --- | | (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 | |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
| |  | | --- | | (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 | |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
| |  | | --- | | (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 | |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
| |  | | --- | | (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 dB Bandwidth 4 kHz, C/N ~ 20 dB No information notified in the frequency ranges (g) to (j). | |
| **11. Information available for bandwidth measurements** |
| |  | | --- | | Bandwidth measurements in accordance with the methods described in Recommendation ITU-R SM.328-10. | |
| **12. Information available for spectrum occupancy measurements** |
| |  | | --- | | Time and frequency of the signal from the satellite are graphically displayed on the spectrum monitor terminal. | |
| **13. Information available for orbit occupancy measurements** |
| |  | | --- | | Automatic orbital location measurements are carried out in the frequency ranges (a) to (f) and (h) to (j). | |

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