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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-daeroSongpa-guSeoul 05830 | TF : +82 2 34002000FAX : +82 2 34002128EMAIL : crmo@msip.go.kr |  |
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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)   | TF : +82 31 6445900FAX : +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 dB |
| Bandwidth 4 kHz, C/N ~ 20 dB |
| No 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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