|  |
| --- |
| ARG - Argentina |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Ente Nacional de Comunicaciones (ENACOM)  | Perú 1031067 Buenos Aires | TF : +54 11 43479917TF : +54 11 43479744FAX : +54 11 43479546 |  |
|  |  |  |  |

Stations in the Space radiocommunication services

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
|  |  |  |  |
| **Benavídez ARSAT earth station**  |   |   |

|  |
| --- |
| **1. Geographical coordinates** |
|

|  |
| --- |
| 34°24'35" S |
| 058°43'04" W  |

 |
| **2. Hours of service** |
|

|  |
| --- |
| To be confirmed.  |

 |
| **3. Information on antennas in use** |
|

|  |
| --- |
| (a) 9.3 m Cassegrain antenna (Ku band) |
| (b) 4.8 m Cassegrain antenna (Ku band)  |

 |
| **4. Range of azimuth and elevation angles** |
|

|  |  |  |
| --- | --- | --- |
| (a) | Azimuth angle: | 270° to 88° continuous |
|  | Elevation angle: | 0.5° - 88° |
|  | Polarization angle: | 90° (motorized) |
|  | Speed: | 0.5°/s |
| (b) | Azimuth angle: | 283.7° to 20.89° continuous |
|  | Elevation angle: | 0.5° - 65° |
|  | Polarization angle: | 90° (motorized) |
|  | Speed: | 0.5°/s  |

 |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
|

|  |
| --- |
| (a) < 0.03 RMS |
| (b) < 0.03 RMS  |

 |
| **6. Information on system polarization** |
|

|  |
| --- |
| (a) Tx dual linear switchable and Rx dual linear |
| (b) Tx dual linear switchable and Rx dual linear  |

 |
| **7. System noise temperature** |
|

|  |  |
| --- | --- |
| (a) | 10° elev./clear sky/T0 = 296° K 70° K |
|  | 10° elev./clear sky/T0 = 318° K 76° K |
|  | G/T: 37.2 dB/° K @ GHz @ 10° elev. |
| (b) | 10° elev./clear sky/T0 = 296° K 70° K |
|  | 10° elev./clear sky/T0 = 318° K 76° K |
|  | G/T: 31.2 dB/° K @ GHz @ 10° elev.  |

 |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
|

|  |  |
| --- | --- |
| (a) | Rx: 11.450 - 12.200 GHz. Tx: 13.750 - 14.500 GHz |
|  | + 1% of occupied bandwidth or 0.1 ppm |
| (b) | Rx: 11.450 - 12.200 GHz. Tx: 13.750 - 14.500 GHz |
|  | + 1% of occupied bandwidth or 0.1 ppm  |

 |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
|

|  |
| --- |
| 10.95 GHz - 12.2 GHz: both measurements should be derived from the e.i.r.p. measurement for the system. |
| Power Measurement Accuracy: + 0.5 dB.  |

 |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
|

|  |
| --- |
| Minimum e.i.r.p. value measurable by the system: 10 dBm. |
| Power Measurement Accuracy: + 0.5 dB.  |

 |
| **11. Information available for bandwidth measurements** |
|

|  |
| --- |
| Percentage of Power Bandwidth, x dB Bandwidth and Power Above Noise Bandwidth.  |

 |
| **12. Information available for spectrum occupancy measurements** |
|

|  |
| --- |
| Based on ITU on-line data.  |

 |
| **13. Information available for orbit occupancy measurements** |
|

|  |
| --- |
| Based on ITU on-line data.  |

 |

|  |  |  |
| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
|  |  |  |  |
| **Buenos Aires (IMS)** | Santos Vega 11009 de Abril Esteban EcheverríaBuenos AiresArgentina   | TF : +54 11 46933322FAX : +54 11 46931667   |

|  |
| --- |
| **1. Geographical coordinates** |
|

|  |
| --- |
| 34°45'13" S |
| 058°30'00" W   |

 |
| **2. Hours of service** |
|

|  |
| --- |
| 0900-1800 h (H24)  |

 |
| **3. Information on antennas in use** |
|

|  |
| --- |
| Log-periodic antenna for frequency range (a); 4.5 m parabolic reflector antenna, for frequency ranges (b) and (c).  |

 |
| **4. Range of azimuth and elevation angles** |
|

|  |
| --- |
| (a) Azimuth 180°, elevation 90° |
| (b) (c) Azimuth 180°, 360° (manual), elevation 0° - 90°  |

 |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
|

|  |
| --- |
| No information notified.  |

 |
| **6. Information on system polarization** |
|

|  |
| --- |
| (a) Vertical, horizontal and circular polarization |
| (b) (c) Linear (V-H) and circular polarization  |

 |
| **7. System noise temperature** |
|

|  |
| --- |
| No information notified.  |

 |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
|

|  |  |
| --- | --- |
| (a) 80 MHz - 1100 MHz: | 1 × 10-6 |
| (b) 3700 MHz - 4200 MHz: | 1 × 10-6 |
| (c) 10.95 GHz - 12.75 GHz: | 1 × 10-6  |

 |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
|

|  |
| --- |
| No information notified.  |

 |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
|

|  |
| --- |
| No information notified.  |

 |
| **11. Information available for bandwidth measurements** |
|

|  |
| --- |
| Bandwidth measurements in accordance with the methods described in the Spectrum Monitoring Handbook.  |

 |
| **12. Information available for spectrum occupancy measurements** |
|

|  |
| --- |
| Measurements on transponders will not be performed systematically, except in the case of complaints of interference. They can be performed in frequency range (a).  |

 |
| **13. Information available for orbit occupancy measurements** |
|

|  |
| --- |
| No information notified.  |

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