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| --- | --- | --- | --- |
| IND - India | | | |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Wireless Adviser to the Government of India Wireless Planning and Coordination Wing Department of Telecommunications Ministry of Communications | 601, Sanchar Bhavan 20, Ashoka Road 110001 New Delhi | TF : +91 11 23036776 TF : +91 11 23755444 FAX : +91 11 23716111 FAX : +91 11 23372141 EMAIL : wawpc@nic.in |  |
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Stations in the Space radiocommunication services

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| --- | --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
|  |  |  |  |
| **Jalna (ISMES)** | International Satellite Monitoring Earth Station (ISMES) Indewadi Ambad Road 431203 Jalna Maharastra India | TF : +91 24 82225301 FAX : +91 24 82225300 EMAIL : ismes-dot@gov.in | |

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| **1. Geographical coordinates** |
| |  | | --- | | 19°48'13'' N | | 075°52'06'' E | |
| **2. Hours of service** |
| |  | | --- | | 09:30 - 18:00 (IST- Indian Standard Time) from Monday to Friday. | | 04:00 - 12:30 (UTC-Coordinated Universal Time) from Monday to Friday. | |
| **3. Information on antennas in use** |
| |  | | --- | | 14 m Cassegrain antenna for frequency range: | | a) S band: 2.5 GHz - 2.69 GHz | | b) C band: 3.4 GHz - 4.2 GHz | |
| **4. Range of azimuth and elevation angles** |
| |  | | --- | | Azimuth: 90° - 270° | | Elevation: 0° - 90° | |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
| |  | | --- | | 0.08° | |
| **6. Information on system polarization** |
| |  | | --- | | Vertical, horizontal and circular polarization. | |
| **7. System noise temperature** |
| |  | | --- | | a) S band: 2.5 GHz - 2.69 GHz: G/T = 18 dB/° K @ 2.5 GHz | | b) C band: 3.4 GHz - 4.2 GHz: G/T = 33 dB/° K @ 4 GHz | |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
| |  | | --- | | a) S band: 2.5 GHz - 2.69 GHz: 1 x 10-9 | | b) C band: 3.4 GHz - 4.2 GHz: 1 x 10-9 | |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
| |  | | --- | | a) S band: 2.5 GHz - 2.69 GHz | | b) C band: 3.4 GHz - 4.2 GHz | |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
| |  | | --- | | a) S band: 2.5 GHz - 2.69 GHz: -185 dBW/m2/4 kHz | | b) C band: 3.4 GHz - 4.2 GHz: -185 dBW/m2/4 kHz | | Bandwidth 4 kHz, S/N ≥ 10 dB. | |
| **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** |
| |  | | --- | | Spectrum occupancy information can be generated/extracted through software application from the stored database records. | |
| **13. Information available for orbit occupancy measurements** |
| |  | | --- | | Orbit occupancy information can be generated/extracted through software application from the stored monitored database records. | |

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