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| --- |
| PAK - Pakistan |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Frequency Allocation Board (FAB) | Plot No. 112Sector H-10/4Islamabad | TF : +92 51 9258240FAX : +92 51 9258400EMAIL : dirnic@fab.gov.pk |  |
|  |  |  |  |

Stations in the Space radiocommunication services

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| --- | --- | --- |
| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** |
|  |  |  |  |
| **Wani-II**  | Satellite Kohat Rd WaniIslamabadPakistan   | TF : +92 51 9258240FAX : +92 51 9258400EMAIL : dirnic@fab.gov.pk   |

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| --- |
| **1. Geographical coordinates** |
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| --- |
| 33°36'00" N |
| 072°49'28" E   |

 |
| **2. Hours of service** |
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| H24  |

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| **3. Information on antennas in use** |
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| (a) 9 m Cassegrain antenna (C band), model 9 KPC |
| (b) 6.1 m Cassegrain antenna (L, S, X bands), model 6.1 KXC 120 |
| (c) 6.1 m Cassegrain antenna (Ku and Ka bands), model 6.1 KXK 120  |

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| **4. Range of azimuth and elevation angles** |
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| Visible geostationary arc: 20° E to 110° E |
| (a) Azimuth: 120° continuous, elevation: 5° to 90° continuous |
| (b) (c) Azimuth: 120° continuous, elevation: 0° to 90° continuous  |

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| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
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| Better than 10% of receive 3 dB beamwidth, RMS, instep track mode. |
| Normally 5% of receive 3 dB beamwidth, RMS, with valid model in OPT mode (independent of orbit inclination).  |

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| **6. Information on system polarization** |
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| (a) Linear polarization (horizontal/vertical) or circular polarization (RHCP/LHCP) |
| (b) Circular polarization (RH/LH) |
| (c) Linear polarization (horizontal/vertical)  |

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| **7. System noise temperature** |
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| (a) C band: 3.4 GHz - 4.2 GHz: 35° K and 4.5 GHz - 4.8 GHz: 40° K |
| (b) L band: 1.5 GHz - 1.58 GHz: 45° K |
| S band: 2.475 GHz: 50° K |
| X band: 7.2 GHz - 7.75 GHz: 50° K |
| (c) Ku band: 10.7 GHz - 12.75 GHz: 70° K |
| Ka band: 17 GHz - 22 GHz: 140° 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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| Maximum attainable accuracy: up to 18 decimal points |
| (a) C band: 3.4 GHz - 4.2 GHz and 4.5 GHz - 4.8 GHz |
| (b) S band: 2.475 GHz |
| L band: 1.5 GHz - 1.58 GHz |
| X band: 7.2 GHz - 7.25 GHz |
| (c) Ku band: 10.7 GHz - 12.75 GHz |
| Ka band: 17 GHz - 22 GHz  |

 |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
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| (a) C band: 3.4 GHz - 4.2 GHz and 4.5 GHz - 4.8 GHz |
| (b) S band: 2.475 GHz |
| L band: 1.5 GHz - 1.58 GHz |
| X band: 7.2 GHz - 7.25 GHz |
| (c) Ku band: 10 GHz - 12.75 GHz |
| Ka band: 17 GHz - 22 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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| 10 MHz - 2.2 GHz ≤ 0.5 dB |
| 2.2 GHz - 3.5 GHz < 1.5 dB |
| 7 GHz - 18 GHz < 2.5 dB |
| 18 GHz - 26.5 GHz < 3 dB  |

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| **11. Information available for bandwidth measurements** |
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| Bandwidth measurement: X-dB method |
| Resolution 3 dB bandwidth: 1 Hz - 10 MHz in 1/2/3/5 steps  |

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| **12. Information available for spectrum occupancy measurements** |
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| Through ITU online database.  |

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| **13. Information available for orbit occupancy measurements** |
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| Through ITU online database.  |

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