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

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| --- |
| **1. Geographical coordinates** |
| |  | | --- | | 33°36'00" N | | 072°49'28" E | |
| **2. Hours of service** |
| |  | | --- | | H24 | |
| **3. Information on antennas in use** |
| |  | | --- | | (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 | |
| **4. Range of azimuth and elevation angles** |
| |  | | --- | | 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 | |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
| |  | | --- | | 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). | |
| **6. Information on system polarization** |
| |  | | --- | | (a) Linear polarization (horizontal/vertical) or circular polarization (RHCP/LHCP) | | (b) Circular polarization (RH/LH) | | (c) Linear polarization (horizontal/vertical) | |
| **7. System noise temperature** |
| |  | | --- | | (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 | |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
| |  | | --- | | 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** |
| |  | | --- | | (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 | |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
| |  | | --- | | 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 | |
| **11. Information available for bandwidth measurements** |
| |  | | --- | | Bandwidth measurement: X-dB method | | Resolution 3 dB bandwidth: 1 Hz - 10 MHz in 1/2/3/5 steps | |
| **12. Information available for spectrum occupancy measurements** |
| |  | | --- | | Through ITU online database. | |
| **13. Information available for orbit occupancy measurements** |
| |  | | --- | | Through ITU online database. | |

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