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| OMA - Oman | | | |
| **Centralizing office** | **Postal address** | **Telephone, Telefax, Electronic-mail** | **Remarks** |
|  |  |  |  |
| Telecommunication Regulatory Authority Muscat Sultanate of Oman | P.O.Box: 3555 P.C.: 111, Seeb Sultanate of Oman | PHONE: +968 24222248 PHONE: +968 24222256 TELEFAX: +968 24222235 EMAIL: almoatasim@tra.gov.om EMAIL: saleh.hadrami@tra.gov.om |  |
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Stations in the Space radiocommunication services

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| **Name of the station** | **Postal address** | **Telephone, Telefax, Electronic-mail** | |
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| **Satellite Radio Monitoring Station (SRMS)** | P.O.Box 3555 P.C.: 111 Seeb Sultanate of Oman | PHONE: +968 24222256 PHONE: +968 24222274 TELEFAX: +968 24222275 EMAIL: srms@tra.gov.om | |

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| --- |
| **1. Geographical coordinates** |
| |  | | --- | | 23°33'09"N | | 058°19'59"E | |
| **2. Hours of service** |
| |  | | --- | | Sunday – Thursday (07:30 AM – 03:00 PM) Oman time (03:30 AM – 11:00 AM) UTC | |
| **3. Information on antennas in use** |
| |  | | --- | | (A1) Two 7.3 m Turning-Head Antennas for frequency range (a), (b) (A2) Two 6.2 m Turning-Head Antennas for frequency range (c), (d) (A3) Two 3.7 m Full Motion Antennas for frequency range (e) (A4) One 3.7 m Full Motion Antenna for frequency range (f), (g), (h) | |
| **4. Range of azimuth and elevation angles** |
| |  | | --- | | (A1) AZI = 94° – 266° \_ELE = 5° – 85° (A2) AZI = 94° – 266° \_ELE = 5° – 85° (A3) AZI = 5° – 355° \_ELE = 5° – 85° (A4) AZI = 5° – 355° \_ELE = 5° – 85° | |
| **5. Maximum attainable accuracy in determining orbital positions of space stations** |
| |  | | --- | | 0.02° | |
| **6. Information on system polarization** |
| |  | | --- | | Linear Polarization (Horizontal and Vertical) in frequency ranges (a), (b), (c), (d), (f), (g), (h). Circular Polarization (RHC and LHC) in frequency ranges (a), (d), (e), (f), (g) | |
| **7. System noise temperature** |
| |  | | --- | | 105 K for frequency range (a) 175 K for frequency range (b) 145 K for frequency range (c) 344 K for frequency range (d) 180 K for frequency range (e) 497 K for frequency range (f) 520 K for frequency range (g) 813 K for frequency range (h) | |
| **8. Ranges of frequencies with the maximum attainable accuracy of frequency measurement for each frequency range** |
| |  | | --- | | (a) 3.4 - 4.8 GHz: 1 x 10⁻¹² (b) 10.7 - 12.75 GHz: 1 x 10⁻¹² (c) 7.25 - 7.75 GHz: 1 x 10⁻¹² (d) 17.6 - 22 GHz: 1 x 10⁻¹² (e) 1.4 - 2.4 GHz: 1 x 10⁻¹² (f) 0.08 - 1.3 GHz: 1 x 10⁻¹² (g) 1 - 18 GHz: 1 x 10⁻¹² (h) 18 - 40 GHz: 1 x 10⁻¹² | |
| **9. Ranges of frequencies in which field strength or power flux-density measurements can be performed** |
| |  | | --- | | All Frequency Ranges. | |
| **10. Minimum value of measurable field strength or power flux-density with indication of attainable accuracy of measurement** |
| |  | | --- | | -190 dBW/m² with ± 1.5 dB at 4 kHz BW. | |
| **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** |
| |  | | --- | | Automatic and Manual spectrum occupancy measurements are carried out in all frequency ranges. | |
| **13. Information available for orbit occupancy measurements** |
| |  | | --- | | Automatic and Manual orbit occupancy measurements are carried out in all frequency ranges. | |

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