**Fading Channels &Mobile Communications**

**IIT Kharagpur**

**Date: Mar/7/2024**

**Exp 8: Handoff**

**Name: xyz**

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| --- | --- | --- |
|  | **Input Parameters** | |
| Reuse: 3 ,Model: Rune |  | Pt(dBm): 34 |
| fc(GHz): 0.8 |  | Beam Width(deg): 70 |
| Rotate(deg): 30 |  | Cell Radius(m): 50 |
| hT(m): 10 |  | hM(m): 1 |
| Sigma(dB): 4 |  | Vertical Tilt(deg): 12 |
| SNR(dB): 5 |  | Band Width(MHz): 5 |
| Noise Figure(dB): 7 |  | Noise Power(dBm): -100.01 |
| Pr0(dBm): -95.01 |  | Time Slot(s): 20 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | **Exp. Results** | | |  |  |  |
| **SNR** | **No.Calldr ops** | **No.Hand offs** | **Delta1** | **Delta2** | **Reading Time(ms)** | **Outage Time(ms)** | **%**  **Outage** | **Alpha** |
| **5.0** | **6.0** | **6.0** | **3.0** | **3.0** | **20016.0** | **11376.0** | **56.83** | **0.1** |
| **5.0** | **23.0** | **22.0** | **3.0** | **3.0** | **20016.0** | **15084.0** | **75.36** | **0.1** |
| **5.0** | **0.0** | **7.0** | **3.0** | **3.0** | **20016.0** | **0.0** | **0.0** | **0.1** |
| **5.0** | **9.0** | **55.0** | **3.0** | **3.0** | **20016.0** | **324.0** | **1.62** | **0.1** |
| **5.0** | **59.0** | **151.0** | **3.0** | **3.0** | **20016.0** | **3248.0** | **16.23** | **0.1** |

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| **Observation** |
| **Observation not entered** |

(Signature of XYZ)

(Signature of Faculty)