**Fading Channels &Mobile Communications IIT Kharagpur**

**Date: 26/April/2024**

Exp 8: Handoff



| **Input Parameters** | |
| --- | --- |
| Reuse: 4 ,Model: Urban Macro | Pt(dBm): 44 |
| fc(GHz): 2.0 | Beam Width(deg): 70 |
| Rotate(deg): 30 | Cell Radius(m): 288 |
| hT(m): 25 | hM(m): 1.5 |
| Sigma(dB): 6 | Vertical Tilt(deg): 12 |
| SNR(dB): 8 | Band Width(MHz): 5 |
| Noise Figure(dB): 7 | Noise Power(dBm): -100.01 |
| Pr0(dBm): -92.01 | Time Slot(s): 250 |

| **Exp. Results** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SNR** | **No.Calldr ops** | **No.Hand offs** | **Delta1** | **Delta2** | **Reading Time(ms)** | **Outage Time(ms)** | **%**  **Outage** | **Alpha** |
| **5.0** | **0.0** | **16.0** | **3.0** | **3.0** | **200704.0** | **784.0** | **0.39** | **0.1** |
| **5.0** | **0.0** | **14.0** | **3.0** | **3.0** | **200704.0** | **0.0** | **0.0** | **0.1** |
| **8.0** | **0.0** | **15.0** | **3.0** | **3.0** | **200704.0** | **0.0** | **0.0** | **0.1** |
| **8.0** | **0.0** | **3.0** | **3.0** | **3.0** | **254016.0** | **0.0** | **0.0** | **0.1** |
| **8.0** | **0.0** | **0.0** | **3.0** | **3.0** | **312500.0** | **0.0** | **0.0** | **0.1** |
| **8.0** | **0.0** | **4.0** | **3.0** | **3.0** | **254016.0** | **0.0** | **0.0** | **0.1** |

