Fading Channels &Mobile Communications

IIT Kharagpur

Date: Mar/20/2023

Exp 8: Handoff

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): 20	Band Width(MHz): 5
Noise Figure(dB): 7	Noise Power(dBm): -100.01
Pr0(dBm): -80.01	Time Slot(s): 20

Exp. Results								
SNR	No.Calldrops	No.Handoffs	Delta1	Delta2	Reading Time(ms)	Outage Time(ms)	% Outage	Alpha
5.0	0.0	9.0	3.0	3.0	20016.0	0.0	0.0	0.1
10.0	0.0	8.0	3.0	3.0	20016.0	0.0	0.0	0.1
15.0	0.0	8.0	3.0	3.0	20016.0	0.0	0.0	0.1
20.0	10.0	10.0	3.0	3.0	20016.0	18684.0	93.35	0.1

Observation

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