

Exp 1: Understanding of PathLoss

Name: SANJIT U19EC008

REPORT				
1A: Calculation of Received Power	1B: Calculation of Pathloss Exponent	1C: Calculation of Carrier Frequency	1D: Calculation of Receiver Antenna Height	1E: Calculation of BS Antenna Height
Pr(d0): -20.49 dBm	Pr(d0): -16.88 dBm	n: 3.46	fc: 2.0 Ghz	fc: 2.0 Ghz
Dist: 1000.0 m	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm
d0: 98.0m	Dist: 1000.0 m	hTx: 30.0 m	hTx: 30.0 m	n: 4.86
	Pr(d): -59.15 dBm	Dist: 1000.0 m	Dist: 1000.0 m	Dist: 1000.0 m
	d0:62.0m	Pr(d): -48.71 dBm	Pr(d): -29.38 dBm	Pr(d): -82.71 dBm
		hRx: 1.0 m	n: 3.52	hRx: 1.0 m
Pr(Entered):-40.66 dBm	n(Entered):3.5	fc(Entered):4.84 GHz	hRx(Entered):5.59 m	hTx(Entered):31.26 m
Pr(Actual):-40.67 dBm	n(Actual):3.5	fc(Actual):4.84 GHz	hRx(Actual):5.59 m	hTx(Actual):31.27 m

DISCUSSION:-

No discussion added.

(Signature of SANJIT U19EC008)

(Signature of Faculty)

Remarks:-