Date: 25 Mar 2022

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): -25.16 dBm	Pr(d0): -16.91 dBm	n: 3.33	fc: 2.0 Ghz	fc: 2.0 Ghz
Dist: 500.0 m	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm
d0: 59.0m	Dist: 500.0 m	hTx: 30.0 m	hTx: 30.0 m	n: 3.67
	Pr(d): -49.82 dBm	Dist: 500.0 m	Dist: 500.0 m	Dist: 500.0 m
	d0:83.0m	Pr(d): -33.34 dBm	Pr(d): -23.22 dBm	Pr(d): -37.73 dBm
		hRx: 1.0 m	n: 3.71	hRx: 1.0 m
Pr(Entered):-43.72 dBm	n(Entered):4.22	fc(Entered):4.1 GHz	hRx(Entered):6.11 m	hTx(Entered):24.93 m
Pr(Actual):-43.72 dBm	n(Actual):4.22	fc(Actual):4.1 GHz	hRx(Actual):6.11 m	hTx(Actual):24.92 m

DISCUSSION:-

No discussion added.

(Signature of SANJIT U19EC008)

(Signature of Faculty)

Remarks:-