

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): -14.94 dBm	Pr(d0): -13.69 dBm	n: 3.84	fc: 2.0 Ghz	fc: 2.0 Ghz
Dist: 1500.0 m	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm	TxPow: 50.0 dBm
d0: 60.0m	Dist: 1500.0 m	hTx: 30.0 m	hTx: 30.0 m	n: 3.58
	Pr(d): -55.21 dBm	Dist: 1500.0 m	Dist: 1500.0 m	Dist: 1500.0 m
	d0:68.0m	Pr(d): -59.32 dBm	Pr(d): -48.26 dBm	Pr(d): -51.87 dBm
		hRx: 1.0 m	n: 3.67	hRx: 1.0 m
Pr(Entered):-42.89 dBm	n(Entered):3.09	fc(Entered):2.03 GHz	hRx(Entered):2.03 m	hTx(Entered):26.62 m
Pr(Actual):-42.9 dBm	n(Actual):3.09	fc(Actual):2.03 GHz	hRx(Actual):2.03 m	hTx(Actual):26.64 m

### DISCUSSION:-

No discussion added.

(Signature of SANJIT U19EC008)

(Signature of Faculty)

Remarks:-