

CS 117 Lab 2:

Mac Address: A4:17:31:03:53:A0

Other Mac: 17:31:66:11:84

IP Address: 192.168.1.138

PART A:

Distance (ft)	Packet Type	Data Rate (kb/s)	Obeservations
10 ft	DH1	55.92	The value fluctuates
10 ft	DH3	156.99	The value fluctuates
10 ft	DH5	175.15	The value fluctuates
15 ft	DH1	48.77	The value fluctuates
15 ft	DH3	119.03	The value fluctuates
15 ft	DH5	131.67	The value fluctuates
30 ft	DH1	33.36	The value fluctuates
30 ft	DH3	55.98	The value fluctuates
30 ft	DH5	98.10	The value fluctuates

PART B:

Number of Masters	Packet Type	Data Rate (kb/s)	Observations
1	DH1	60.30	
1	DH3	197.37	
1	DH5	263.33	
2	DH1	12.5	
2	DH3	44	
2	DH5	75	
3	DH1	7.21	
3	DH3	25.3	
3	DH5	43.26	

PART C:

Measurement Case	Data Rate for each pair of connections (kb/s)	Other Observations
Before Interference	56	
3 connections crossing	60	
3 connections crossing	50	
3 connections crossing	260	

PART D:

	Data Rate	Other Observations
Bluetooth Throughput	260 kB/s	
802.11b TCP Throughput	17.2 MB/s	