CS 3700 Lab 2

1. The two SSID’s that are issuing the most beacon frames are “30 Munroe St” and “linsys\_SES\_24086”
2. The Beacon Interval is 0.1024 seconds
3. The source MAC address is 00:16:b6:f7:1d:51
4. The destination address is the broadcast MAC address, or ff:ff:ff:ff:ff:ff
5. The BSS id MAC address is 00:16:b6:f7:1d:51
6. The support rates are 1.0, 2.0, 5.5, 11.0 Mbps. The extended rates are 6.0, 9.0, 12.0, 18.0, 24.0, 36.0, 48.0 and 54.0 Mbps.
7. The SYN TCP frame MAC addresses are as follows:
   1. Source Address or host’s address: 00:13:02:d1:b6:4f
   2. Destination or 1st hop address: 00:16:b6:f4:eb:a8
   3. BSS id MAC address: 00:16:b6:f7:1d:51

The IP address info is as follows:

1. The Host address: 192.168.1.109
2. The destination address is 128.199.245.12
3. The SYN ACK TCP frame MAC addresses are as follows:
   1. Source Address or 1st hop router: 00:16:b6:f4:eb:a8
   2. Destination or the host address: 00:13:02:d1:b6:4f
   3. BSS id MAC address: 00:16:b6:f7:1d:51

The IP address info is as follows:

1. The Host address: 128.199.245.12
2. The destination address is 192.168.1.109
3. There is a DHCP release and deauthentication frame, but no disassociation request
4. It appears that 6 authentication frames are sent
5. The host is requesting that the association be open because the authentication algorithm is Open System
6. No, there are no authentication frames sent back
7. At t = 63.168087 there is a authentication frame sent from source address 00:13:02:d1:b6:4f to destination address 00:16:b7:f7:1d:51 and at t = 63.169071, there is an authentication frame sent in the opposite direction from source address 00:16:b7:f7:1d:51 to the destination address 00:13:02:d1:b6:4f
8. At t = 63.169910 there is an associate request frame sent from source address 00:13:02:d1:b6:4f to destination address 00:16:b7:f7:1d:51 and at t = 63.192101 there is an associate response frame sent in the opposite direction from the source address 00:16:b7:f7:1d:51 to destination address 00:13:02:d1:b6:4f.
9. 1.0, 2.0, 5.5, 11.0, 6.0, 9.0, 12.0, 18.0, 24.0, 32.0, 48.0, and 54.0 Mbps for both the host and the AP
10. At t = 2.297613 there is a probe request sent with source address 00:12:f0:1f:57:13, destination: ff:ff:ff:ff:ff:ff (broadcast address), and a BSSID of ff:ff:ff:ff:ff:ff. There is a probe response sent at t = 2.300697 with source address 00:16:b6:f7:1d:51, destination address 00:16:b6:f7:1d:51 and a BSSID of 00:16:b6:f7:1d:51. This process helps the find AP by scanning the network