Cisco/UDel Meeting Minutes
July 15, 2016

Attendees: Jim Seymour, Len Cimini, Chien-Chung Shen, Li Li
Minutes Taken By: Li Li

A. Review slides

Slides #3 – Simulation setting.
- Len & Jim & Li: Option 1 is a Wi-Fi like multi-carrier LBT, and it only performs LBT on the "primary" channel. Before the LBT procedure finishes on the primary channel, the eNB will check whether other channels are available for a period of PIFS (25 micro seconds). Option 2 means that LBT procedures are performed on all carriers, there is no "primary" channel.

Slides # 5-6 – Simulation results for pure Wi-Fi networks.
- Jim: When we compare the results for pure Wi-Fi networks with those for mixed networks, we can see that both Wi-Fi and LAA's performance are improved when we introduce LAA, which is a good thing for LAA.

Slides # 7-8 – Simulations for pure WI-Fi networks with 8 transmitters and 8 subchannels.
- Li: Choosing different primary channels will lead to different results, which depend on the combination of the locations and primary channels.
- Jim & Len: It is better to draw a diagram labelling the transmitters and their associated primary channels. Then, we do not need to go back and forth to check the numbers.

Slides # 9-11 – Simulations for LAA and Wi-Fi networks with different primary channels.
- Jim: In the first case, at -80 dBm, introducing LAA will not hurt Wi-Fi than another Wi-Fi, and LAA's performance is also a bit better.
- Jim: You might also want to simulate Option 2 to see whether LAA can achieve fairness with Wi-Fi, since LAA is more aggressive in this case.

Actions Items:
- **Simulate Option 2**
- **Study the channel selection problem in Option 1**

Next meeting: Friday July 29th 1:15 - 2:15 pm (EST)